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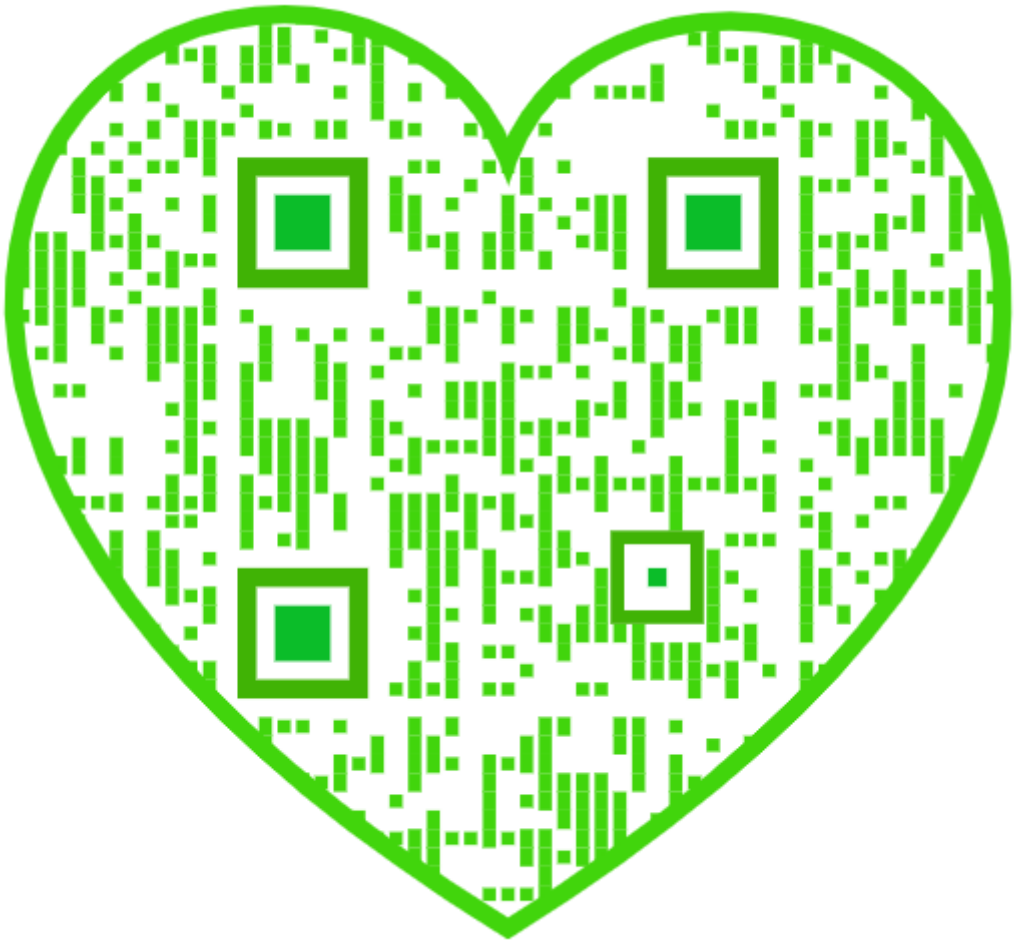
Truax, Greene & Co.

Veterinary Supplies..

Instruments **Medicines**

CHICAGO



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CATALOGUE

of

VETERINARY INSTRUMENTS

CHAS. TRUAX, GREENE & CO.

(INCORPORATED)

CHAS. TRUAX
Pres. and Manager

F. C. GREENE, M. D.
Vice-Pres. and Treas.

E. E. PALMER
Secretary

Established 1877

Incorporated 1887

Reorganized 1891

Cable Address...
Chatruax

MANUFACTURERS, JOBBERS AND IMPORTERS OF

SURGICAL INSTRUMENTS

PHARMACEUTICAL PREPARATIONS

...and...

STRICTLY PURE DRUGS

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75 AND 77 WABASH AVENUE

CHICAGO

J. C. WINSHIP & CO.
PRINTERS
21-25 PLYMOUTH PLACE
CHICAGO.

INTERIOR VIEW OF SALESROOM, CHAS. TRUAX, GREENE & CO., 75 AND 77 WABASH AVENUE, CHICAGO.

INTRODUCTORY...

In issuing our Catalogue and Price List, we feel a pardonable pride in its completeness in every department of the field it is intended to cover. We have labored to surpass any former list in practical utility, and to make it a *vade mecum* to which the reader can turn for the prices of every article wanted.

PRICES.—Our list will enable customers to ascertain the net prices of instruments and surgical appliances, and the approximate rates on such drugs and pharmaceutical preparations as they may use for dispensing.

We trust our patrons will see the necessity of our maintaining uniform prices in the government of all sales. A system that allows special rates to one customer will grant them to many, so that no one purchaser would have any assurance that other buyers were not being favored greater than himself.

TERMS.—All bills are payable at *our office*, in current funds, post office or express order, or bank draft on Chicago or New York (we cannot accept drafts or checks on other cities unless exchange is added). All remittances by express must be prepaid; cash forwarded by mail is always at sender's risk.

Parties not having a credit already established will understand the necessity of sending reliable references, or of enclosing remittances to cover amount of purchase; orders not accompanied by either satisfactory references or cash will be declined or sent C. O. D.

SHORTAGE.—We will not be responsible for losses occurring in the transportation of merchandise shipped by us, whether it is shortage, breakage or leakage, excepting in cases due to causes existing in our house. All goods are sold in Chicago and the transportation companies act as the agent of the purchaser, and all claims for reparation must be made directly to them.

PURCHASES TO ORDER.—As an accommodation to our patrons we will purchase at wholesale or retail any articles wanted, provided customers will agree not to hold us responsible or to return the goods so purchased without our consent.

BOXING, ETC.—Reasonable charges will be made for boxing, and when goods are sent by freight, cartage will be charged at cost.

FACTORY.—We have in operation a surgical instrument factory, fully equipped with steam power, ample machinery and competent workmen, so that we are not only prepared to manufacture instruments for our regular trade, but to make special ones to order. We also make a specialty of repairing, grinding, polishing, plating, etc.

LEATHER CASE DEPARTMENT. In connection with our surgical instruments, we have in operation a leather department, fully equipped with ample machinery and competent workmen, so that we are not only prepared to furnish all kinds of dental cases, medicine cases, dental rolls, pocket cases. etc., but to make special ones to order.

CHAS. TRUAX, GREENE & CO.

DENTAL CASES.

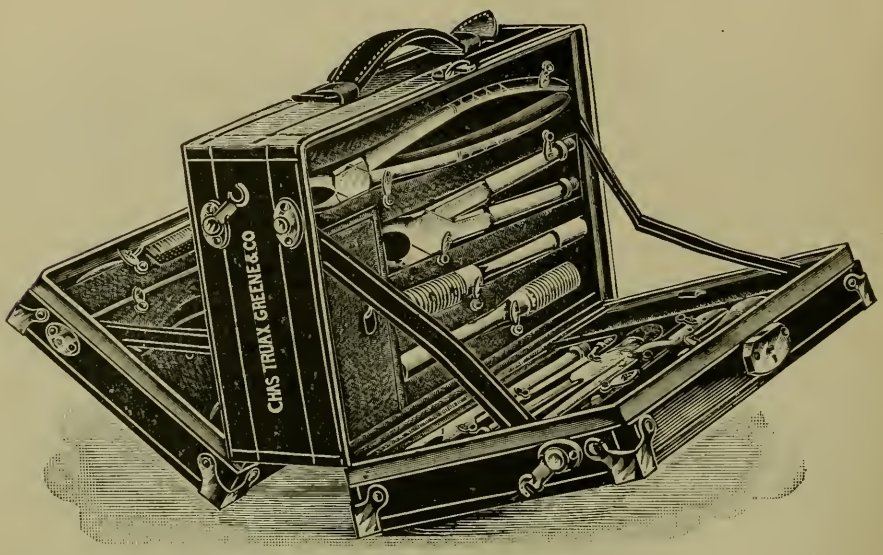


FIG. 10,000.

Showing style of Dental Outfits Nos. 1 and 2.

Truax, Greene & Co.'s Dental Outfit No. 1, containing:

1 Scheffer's Molar Extractor and Cutter	Fig. 10004	1 9-in. Wolf Tooth Forcep,	Fig. 10034
1 Scheffer's Incisor Cutter.	" 10037	1 Scalpel	" 10309
1 Molar Extractor	" 10008	1 Dental Hook	" 10062
1 Pair Handles	" 10009	1 13-in. Molar Forcep	" 10018
1 Open Molar Cutter	" 10006	1 Trephine	" 10085
1 Closed " "	" 10007	1 12-in. Splinter Forcep	" 10063
1 Straight Nipper	" 10040	1 Angular Scissors	" 10389
1 Set of Combined Floats	" 10090	1 Artery Forcep	" 10384
1 Tooth Separating Saw	" 10068	1 Separating Wolf Tooth Forcep	" 10036
1 Siemon's Scoop	" 10555	1 Dental Brush	
		1 Screw Driver	

Price of same in a Russet Leather Case, leather lined, with nickel trimmings, see illustration above $100.00

Truax, Greene & Co.'s Dental Outfit No. 2, containing:

1 Open Molar Cutter	Fig. 10006	1 Screw Driver	
1 Closed " "	" 10007	1 Siemon's Scoop	Fig. 10555
1 Molar Extractor, Open	" 10008	1 Dental Hook	" 10062
1 " " Closed.	" 10011	1 Scalpel	" 10301
1 Pair Handles	" 10009	1 Artery Forcep	" 10384
1 Scheffer's Incisor Cutter.	" 10037	1 10-in. Front File	" 10098
1 Straight Incisor Nipper	" 10040	1 9-in. Wolf Tooth Forcep.	" 10034
1 Set Combined Floats	" 10090	1 Separating Wolf Tooth Forcep	" 10036
1 13-in. Molar Forcep	" 10018	1 Brush	
1 Trephine	" 10085	1 Elevator and Raspatory	" 10072
1 9-in. Splinter Forcep	" 10063	1 Screw Driver	" 10064
1 Tooth Separating Saw	" 10068	1 Angular Scissors	" 10389
1 Drill	" 10087		

Price of same in a Russet Leather Case, leather lined, with nickel trimmings, see illustration above $80.00

DENTAL CASES.

Truax, Greene & Co.'s Dental Outfit No. 3, containing:

1	Open Molar Cutter	Fig. 10006
1	Closed " "	" 10007
1	Molar Extracting Forcep	" 10008
1	Pair Handles	" 10009
1	13-inch Molar Forcep	" 10018
1	Scheffer's Incisor Cutter	" 10037
1	Straight Incisor Nipper	" 10040
1	9-inch Splinter Forcep	" 10063
1	Dental Hook	" 10062
1	Siemon's Scoop	" 10555
1	Brush	
1	Wolf Tooth Forcep	" 10034
1	Trephine	" 10085
1	Dental Drill	" 10087
1	Artery Forcep	" 10384
1	Angular Scissors	" 10389
1	Wolf Tooth Separating Forcep	" 10036
1	Scalpel	" 10301
1	Tenaculum	" 10306
1	Elevator and Raspatory	" 10072
1	Set of Combined Floats	" 10090
1	Screw Driver	

Price of same in Russet Leather Case, leather lined, with nickel trimmings, similar to Fig. 10000 ..... $70.00

Truax, Greene & Co.'s Dental Outfit No. 4, containing:

1	Open Molar Cutter	Fig. 10006
1	Closed " "	" 10007
1	Molar Extractor	" 10008
1	Pair Handles	" 10009
1	13-inch Molar Extractor	" 10018
1	Scheffer's Incisor Cutter	" 10037
1	Straight Incisor Nipper	" 10040
1	Set of Combined Floats	" 10090
1	10-inch File	" 10098
1	Wolf Tooth Forcep	" 10034
1	Brush	
1	Screw Driver	

Price of same in Russet Leather Roll, chamois lined $50.00

Fig. 10001.

Fig. 10001. Dental Roll, black grain leather, flannel lined, with straps and handle $6.00

Dental Roll, sole leather, chamois lined, with straps and handle 8.00

DENTAL CASES.

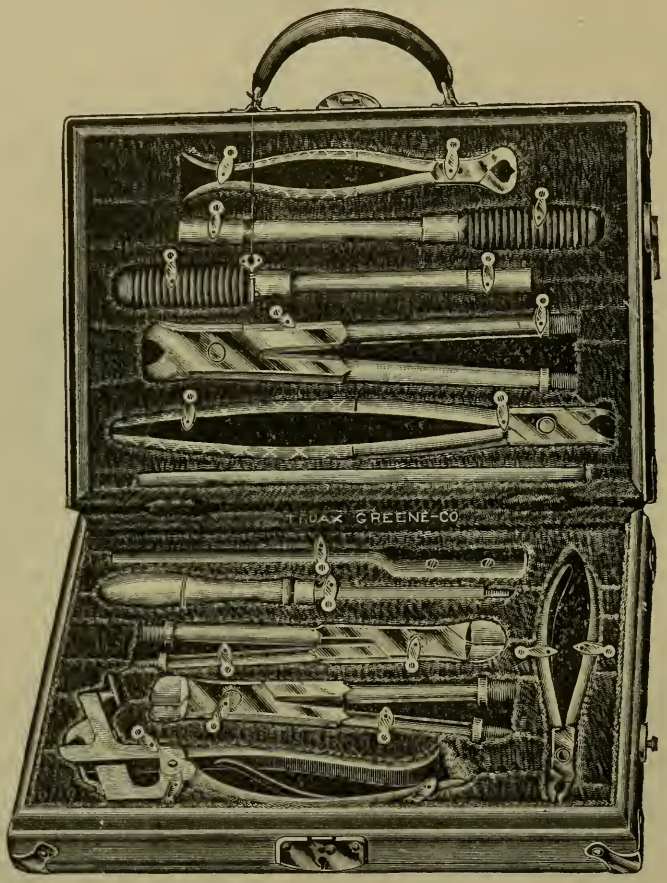


FIG. 10,002.

Truax, Greene & Co.'s Dental Outfit No. 5.

Truax, Greene & Co.'s Dental Outfit No. 5, containing:

1 Open Molar Cutter	Fig.	10006
1 Closed " "	"	10007
1 Molar Extractor	"	10008
1 Pair Handles	"	10009
1 13-inch Molar Forcep	"	10018
1 Wolf Tooth Forcep	"	10034
1 Scheffer's Incisor Cutter	"	10037
1 Straight " "	"	10040
1 Jointed Float with Single Head	"	10090
1 10-in. File	"	10098
1 Screw Driver		
1 Brush		

Price of same in a Russet Leather Case (Fig. 10,002), leather lined, with nickel trimmings $50.00

Dental Instruments Fitted to Cases to suit the Purchaser.

DENTAL INSTRUMENTS.

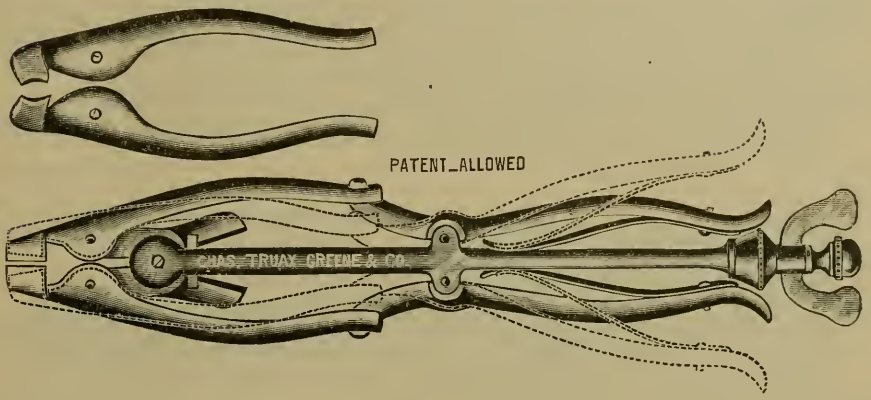


Fig. 10004. Scheffer's Improved Cutting and Tooth Extracting Forcep..... $30.00
Price of same in a two-fold Russet Leather Case, leather lined, with nickel trimmings..... 40.00

DIRECTIONS FOR OPERATING SCHEFFER'S TRIPLE HANDLE EXTRACTING FORCEP AND CUTTER.

1. Adjust the forcep by turning the screw to right or left as the case may be to the size of tooth to be operated upon; take hold of the center handle, leaving the two outer handles free, so that the forcep will remain open.

2. Place the forcep over the tooth to be extracted. Now grip one of the outer levers, right or left, as the case may be, owing to which side of the mouth is being operated upon; hold the lever or handle firmly and turn the adjusting screw to the left until the levers are spread apart to their greatest width.

3. Now grip the outer lever and gradually close it toward the center, and should this not give sufficient power, which in all cases it will not take hold of both outer levers; this will give all the power necessary to extract any tooth. Now rotate the handle to loosen the tooth in its socket, after which it can be readily lifted out.

TO CUT OFF ANY SIZED MOLAR FROM THE SMALLEST POINT TO THE LARGEST SIZED TOOTH.

1. Adjust the forcep as above; after getting a firm hold of the tooth to be cut off, grip one of the outer levers, tighten or press it against the center handle; now with the other hand take hold of the other outer lever and gradually press toward the center handle, at the same time gradually releasing the other, and repeat this movement several times. This movement gives to the cutting blades not only an inward movement but a see-saw motion which will effectually cut through the enamel or hard substance of the tooth, after which by griping both outer levers and bringing them forcible together will complete the cutting or effectually cut off any molar tooth in all cases. The adjusting screw must be carefully attended to and kept closed up and when cutting off a molar tooth, especially at each and every see-saw motion, the adjusting screw should be tightened up.

To be proficient in the use of this instrument the operator should practice the handling of it occasionally so as to fully understand the working of same. If the above directions are followed you will succeed in the most difficult cases.

DENTAL INSTRUMENTS.

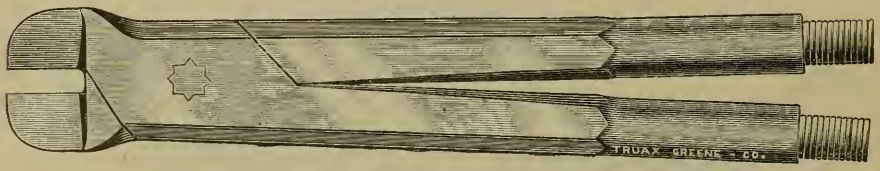


Fig. 10006. Open Molar Cutter..... $7.00; with handles, $10.00

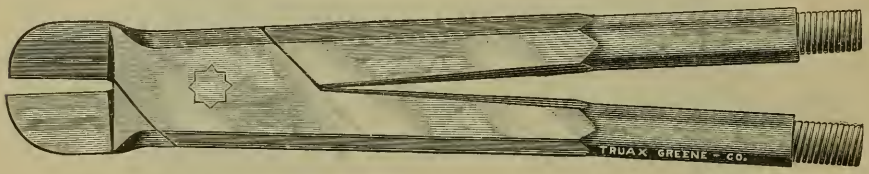


Fig. 10007. Closed Molar Cutter.....$7.00; with handles, $10.00

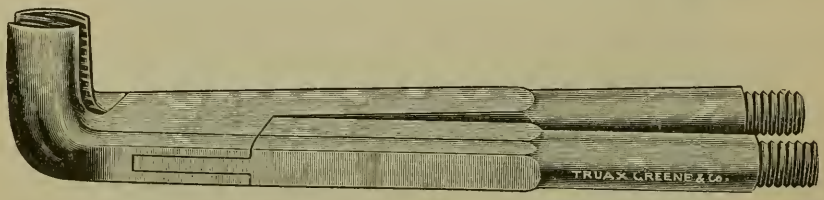


Fig. 10008. Molar Extractor..... $7.00; with handles. $10.00

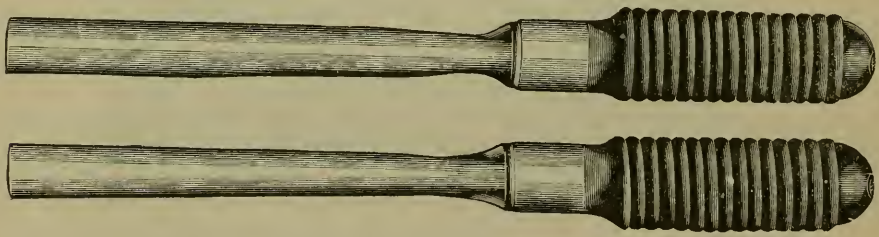


Fig. 10009. Handles for above set.....per pair, $3.00

Truax, Greene & Co.'s Dental Set, consisting of—

1 Open Molar Cutter.....Fig. 10006
1 Closed " " ..... " 10007
1 Molar Extractor ..... " 10008
1 Pair Handles for above set ..... " 10009

Price..... $22.50

Fig. 10011. Closed Splinter Extractor.....$7.00; with handles, $10.00

DENTAL INSTRUMENTS.

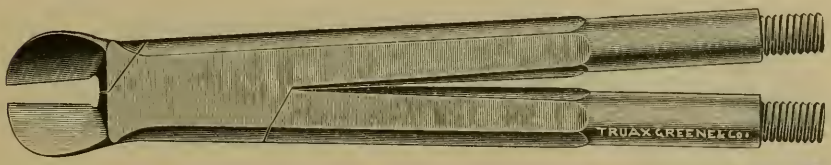


Fig. 10012. Open Molar Cutter..... $8.00; with handles, $11.00

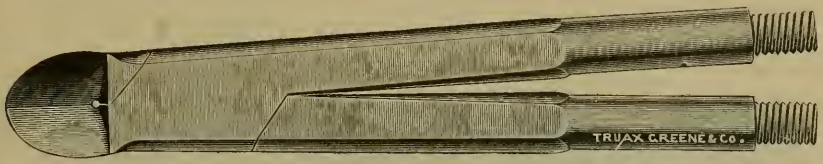


Fig. 10014. Closed Molar Cutter..... $8.00; with handles, $11.00

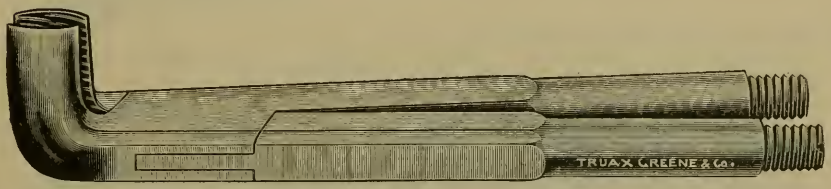
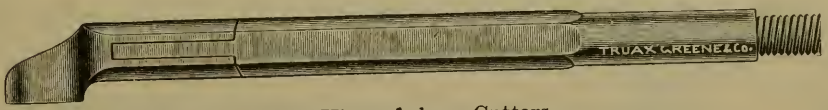


Fig. 10015. Molar Extractor..... $8.00; with handles, $11.00



Side View of above Cutters.

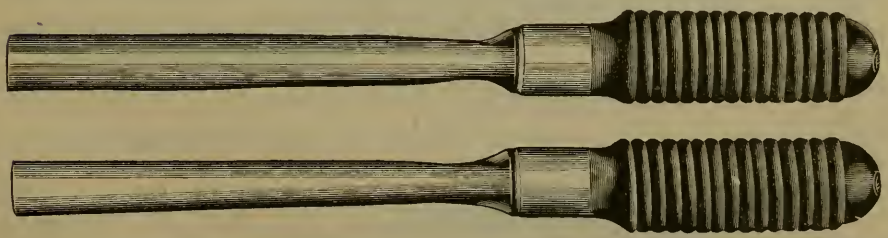


Fig. 10016. Handles for above set.....per pair, $3.00

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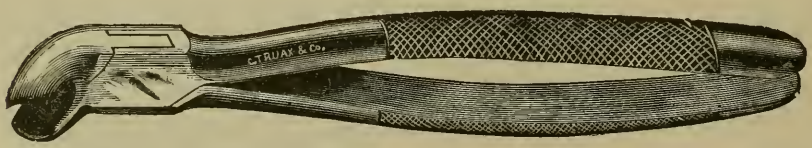


Fig. 10018. Molar Extracting Forcep, 24 inch..... $9.50
" " " 20 " 8.00
" " " 16 " 4.00
" " " 13 " 3.00

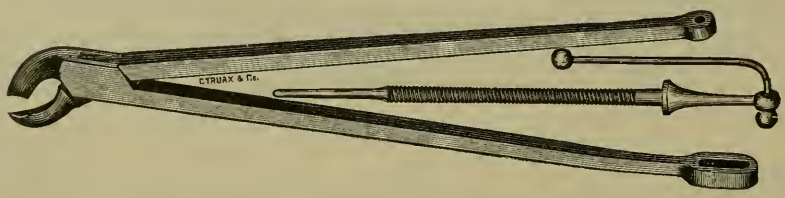


Fig 10019. Gowing's Molar Forcep..... $13.00

Fig. 10020. Molar Extracting Forcep, with Fulcrum and Handles, 28 inch..... $12.00

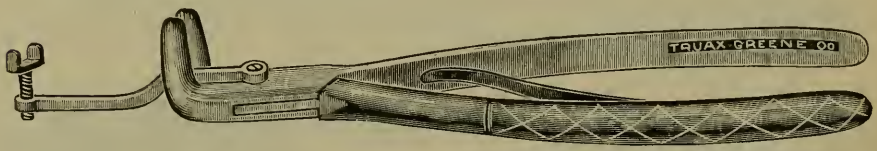


Fig. 10022. Molar Extracting Forcep, with Fulcrum, 13 inch..... $6.00

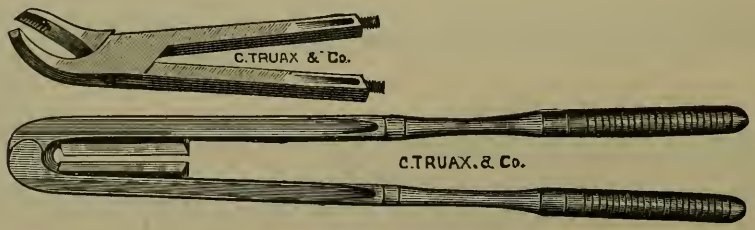


Fig. 10024. House's Combined Tooth Forceps.....$18.00

DENTAL INSTRUMENTS.

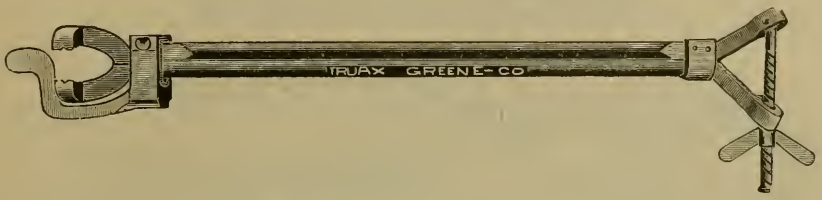


Fig. 10025. German Molar Extractor..... $15.00

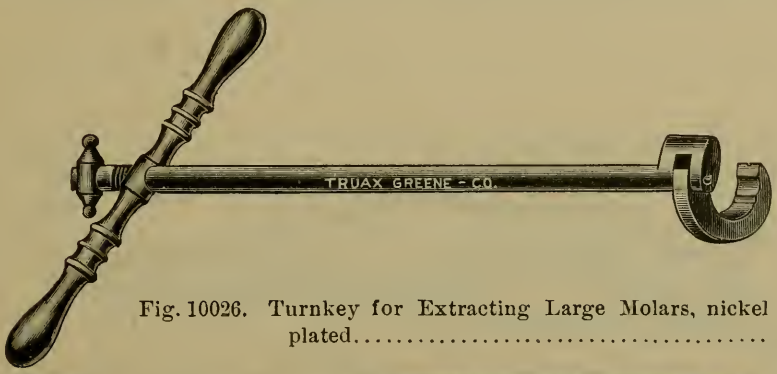


Fig. 10026. Turnkey for Extracting Large Molars, nickel plated..... $6.00

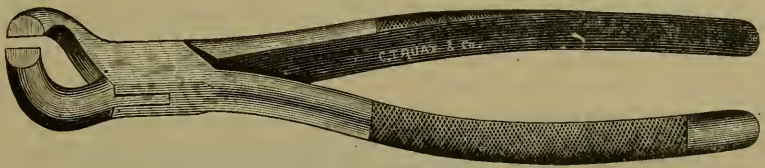


Fig. 10028. House's Tooth Cutting Forcep, nickel plated, 24 inch..... $10.00
" " " " " " 20 " 9.00
" " " " " " 14 " 6.00
" " " " " " 12 " 5.00

Fig. 10029. Bayonet Wolf Tooth Forcep, nickel plated, 9 inch..... $2.50
" " " " " " 13 " 3.00

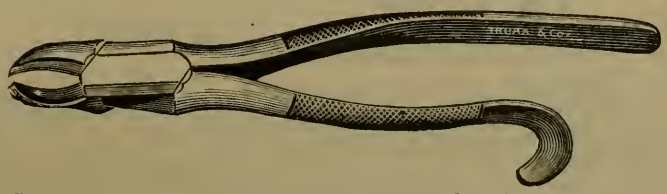


Fig. 10031. Straight Wolf Tooth Forcep, nickel plated, 9 inch..... $2.50
" " " " " " 13 " 3.00

DENTAL INSTRUMENTS.

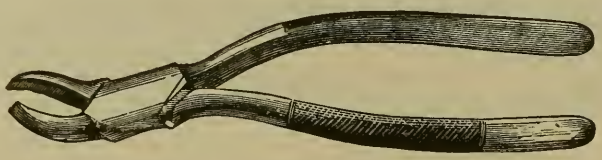


Fig. 10032. Curved Wolf Tooth Forcep, nickel plated, 9 inch..... $2.50
" " " " " " 13 inch..... 3.00

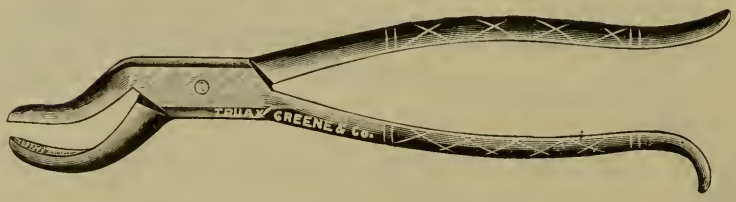


Fig. 10034. Duck Bill Wolf Tooth Forcep, nickel plated, 9 inch..... $2.50
" " " " " " 13 inch..... 3.00

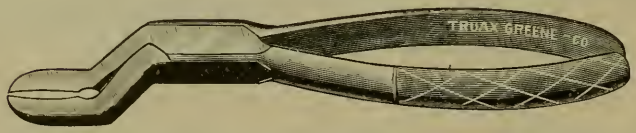


Fig. 10036. Wolf Tooth Separating Forcep, 9 inch..... $2.00

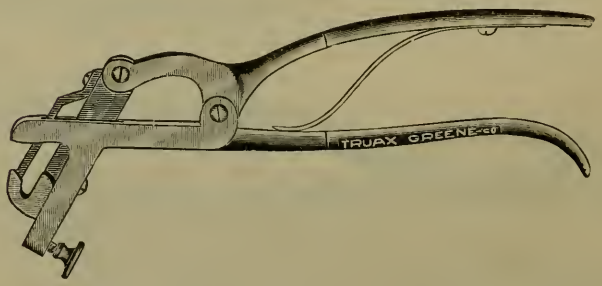


Fig. 10037. Scheffer's Incisor Cutter..... $7.50

DENTAL INSTRUMENTS.

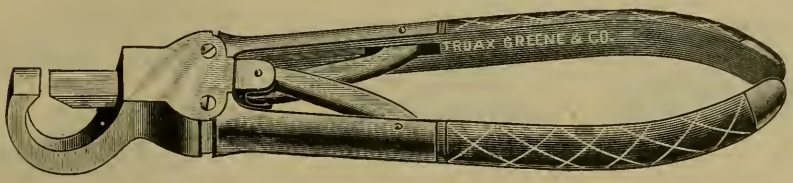


Fig. 10039. Fash's Incisor Cutter..... $9.00

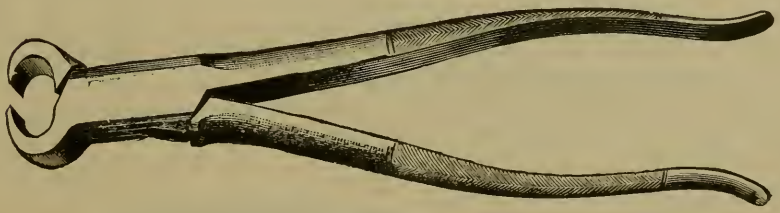


Fig. 10040. Straight Incisor Nipper, 9 inch..... $4.00

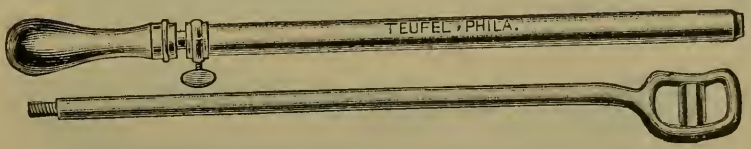
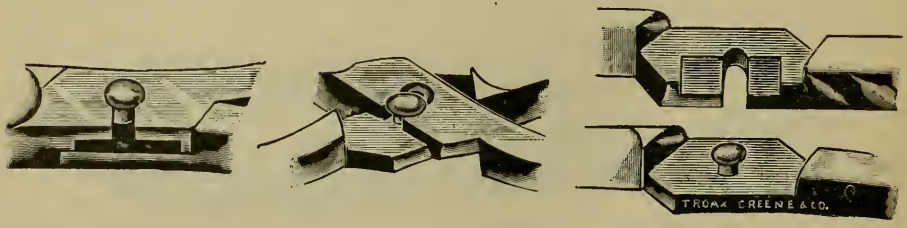


Fig. 10042. Walters' Dental Chisel..... $10.00

Fig. 10044. French Dental Chisel, 9 inch..... $2.00

Fig. 10046. Gowing's Tooth Chisel..... $10.00

DENTAL INSTRUMENT.



PATENT JOINT FOR FORCEPS AND SCISSORS.

There is perhaps no class of instruments more difficult to thoroughly cleanse than the ordinary forms of Forceps. Nearly all forms of Bone and Tooth Forceps have heretofore been constructed with closed joints, that not only afforded a safe deposit for disease germs, but furnished a good medium for conveying them from one patient to another. Our Patent joint is not only thoroughly aseptible, but it is as strong as the ordinary pattern. It may be unjointed in a second or two and as quickly put together. It combines all the necessary requisites in a perfect-working desirable instrument, and customers need have no hesitancy in ordering instruments constructed with our patent joint.

Fig. 10500. Liston's Straight Bone Forcep, Aseptible.. .$2.00; without spring, $1.85

Fig. 10501. Liston's Curved Bone Forcep, Aseptible..... ..... $2.25

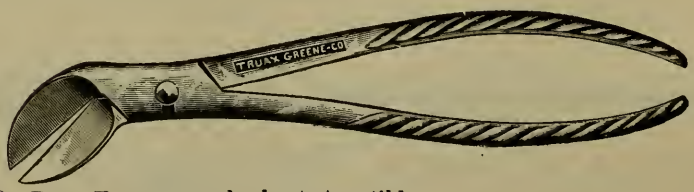


Fig. 10503. Bone Forcep, angular bent, Aseptible..... $2.25

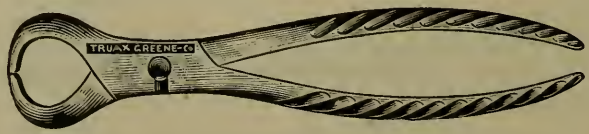


Fig. 10505. Satterlee's Bone Forcep, Aseptible..... $2 00

DENTAL INSTRUMENTS.

Fig. 10054. Plain Chisel, 6 inch $0.75
" " 8 " ..... .85
" " 10 " 1.00
" " 16 " 1.25

Fig. 10056. Lead Mallet..... $1.75

Fig. 10060. Plain Tooth Cutting Forcep, 9 inch $2.50

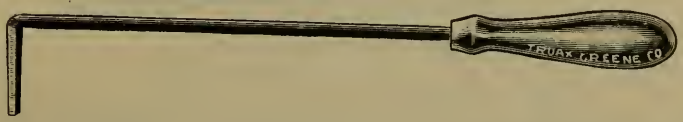


Fig. 10062. Dental Hook..... $1.25

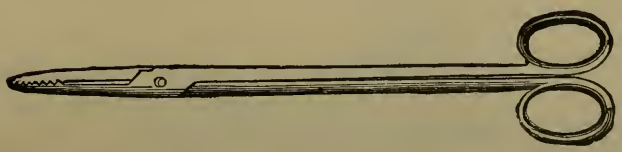


Fig. 10063. Splinter Forcep, 9 inch..... $2.00
" " 12 " 2.50

DENTAL INSTRUMENTS.

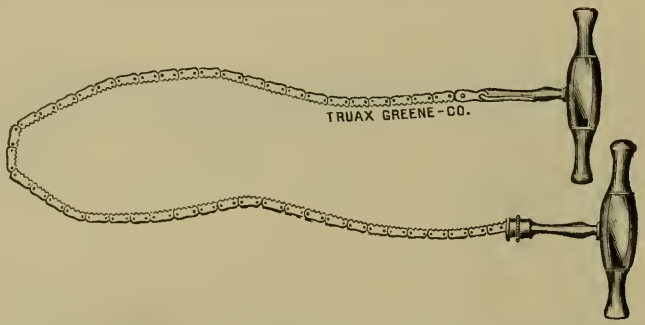


Fig. 10065. Chain Saw, with Rotating Handles $6.00

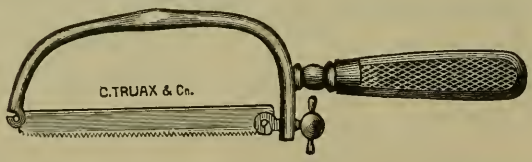


Fig. 10066. Tooth Saw, Two Blades..... $4.25

Fig. 10068. Plain Metacarpal Saw, Aseptible $1.25

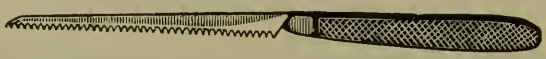


Fig. 10070. Tooth Separating Saw, Ebony Handle $1.00

Fig. 10072. Elevator and Raspatory..... $1.00

Fig. 10074. Gum Lancet..... $1.25

DENTAL INSTRUMENTS.

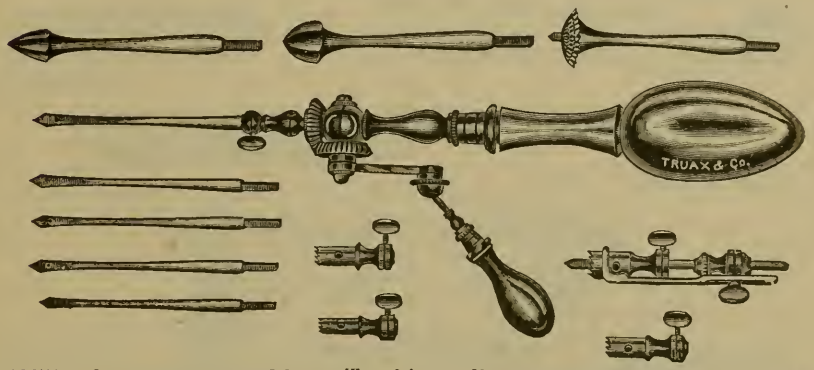


Fig. 10076. Collins' Drills and Bone Trephines, all metal, complete, in case.... $22.50

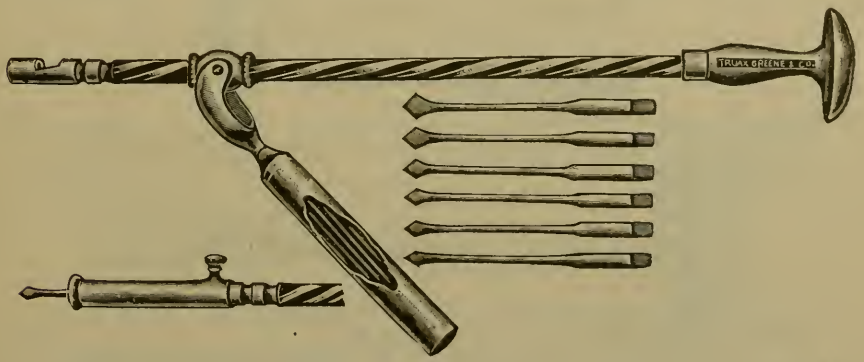


Fig. 10077. Hamilton's Bone Drills with guard, Aseptible..... $4.00
(Drills to be kept in the hollow handle.)

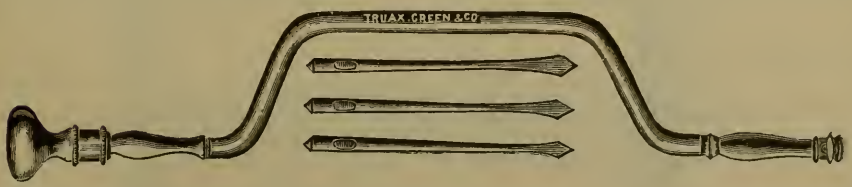


Fig. 10078. Langenbeck's Drills, all metal..... $4.50

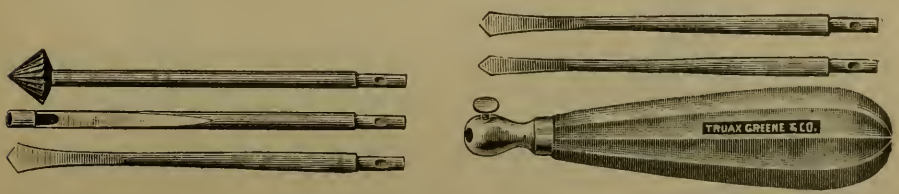


Fig. 10080. Brainard's Bone Drills, Aseptible..... $2.65

DENTAL INSTRUMENTS.

Fig. 10081. Holbrook's Douche Curette..... $3.50

Fig. 10083. Hebra's Bone Scoop..... $1.50

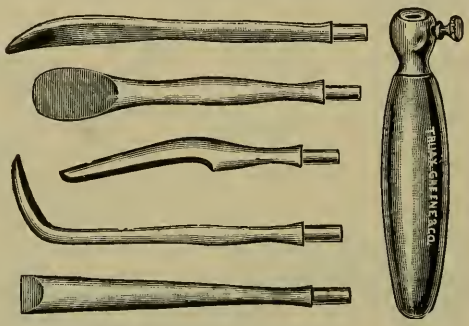


Fig. 10088. Darby's set Gouges and Chisels, Aseptible $5.00

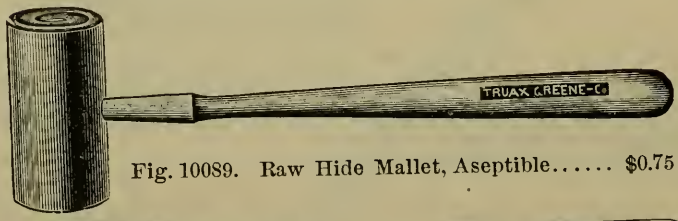


Fig. 10089. Raw Hide Mallet, Aseptible..... $0.75

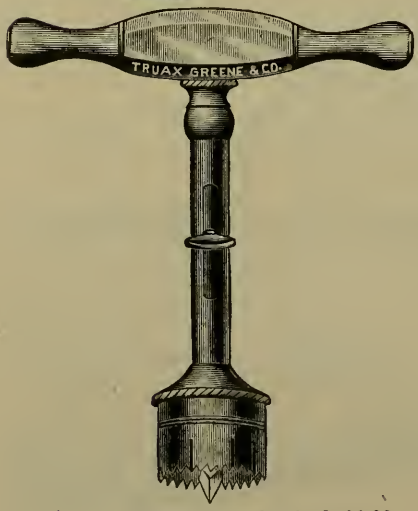


Fig. 10085. Trephines, Conical, $3.00
" Cylindrical, 3.00

Fig. 10087. Plain Dental Drill, $1.50

DENTAL INSTRUMENTS.

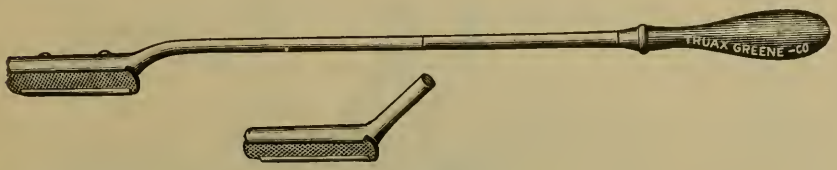


Fig. 10090. House's set of Combined Floats. nickel plated $3.50
" Jointed Float, " " 2.25
" Stiff Float, " " 1.50

Fig. 10094. Jointed Tooth Rasp $1.75

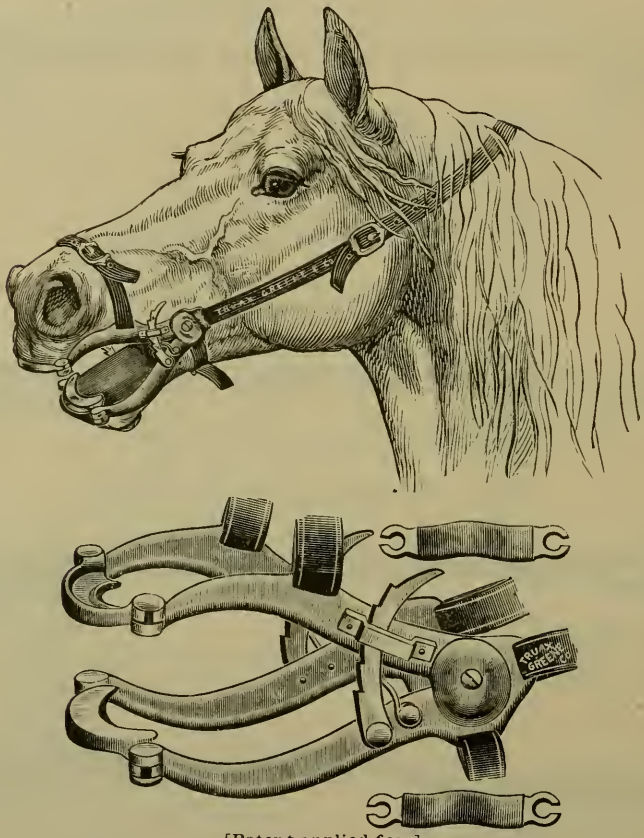
Fig. 10095. Plain Stiff Tooth Rasp $1.50

Fig. 10096. McPherson's File $0.75

Fig. 10098. Incisor File, 10 inch $0.50

Fig. 10099. Float Blades for House's Float ..... each, 25c.; doz., $2.50

MOUTH SPECULUM.



[Patent applied for.]

FASH'S MOUTH SPECULUM.

Fig. 10100. Fash's Mouth Speculum..... $10.00

In placing this instrument before the Veterinary Profession, we believe we are presenting a Speculum—the most perfect ever produced for strength and safety. It consists of two hinged semi-circular bars on each side, to the end of which are attached two semi-lunar cupped plates for operating on the back molars, and by detaching these, two Inter-dental plates are put in their place for operating on the Incisor teeth. These plates can be instantly changed without screw-driver by our patent self-fastening lock. The Speculum is introduced the same as a bit, and when in operation is kept open by means of two Ratchet Bars connected with the side of the semi-circular bars and are capable of sustaining great pressure, thus making it impossible for it to close while operating. In operating upon and making examinations of Molar teeth, the semi-lunar plates, which are made to fit any mouth, should be used, as the pressure will be brought to bear upon the front teeth instead of the soft tissues of gums, thus avoiding pain or laceration of the parts. The Animal receiving no injury from the application of the instrument is easily controlled, in ordinary cases making no resistance whatever. For operating on the incisors, the cupped plates should be removed and the inter-dental plates substituted. The Speculum is perfectly aseptible and can be taken apart and put in a very small space.

MOUTH SPECULUMS.

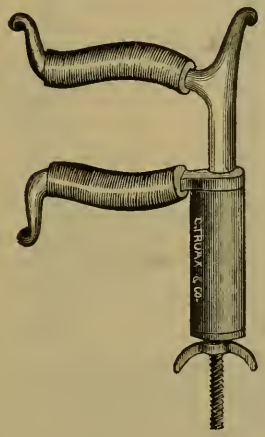


Fig. 10105.
Varnell's Mouth Speculum, $6.75

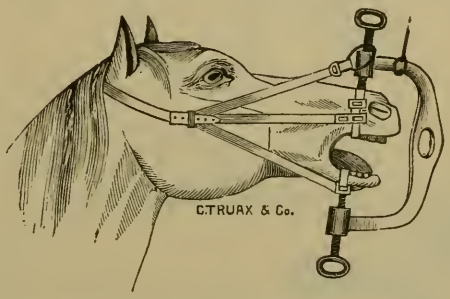


Fig. 10101. Siemons' Mouth Speculum, $12.00

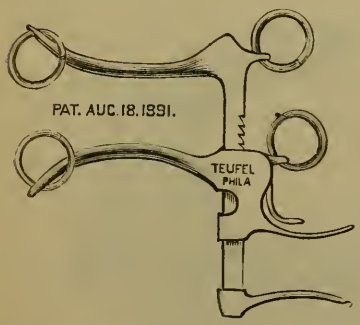


Fig. 10102.
Teufel's Mouth Speculum, $7.50

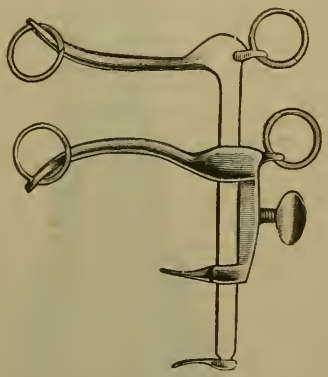


Fig. 10104.
Green's Mouth Speculum, $5.00

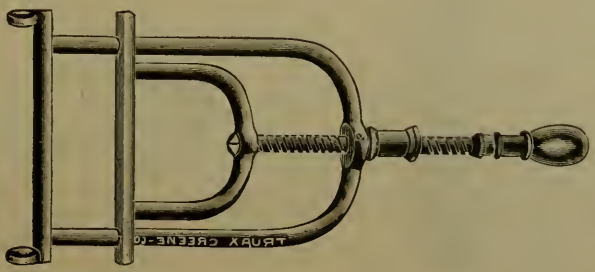


Fig. 10106. Gunther's Mouth Speculum..... $9.00

MOUTH AND STOMACH INSTRUMENTS.

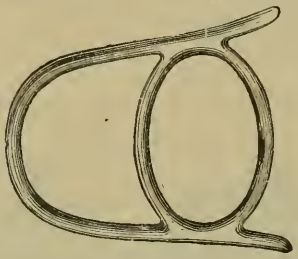


Fig. 10109. Balling Iron, nickel plated, $1.50
" " japanned, .75

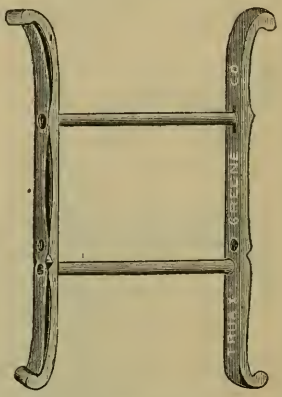


Fig. 10107. Berlin Mouth Speculum. Separable, parts can easily be taken in pieces and carried in the pocket..... $4.50

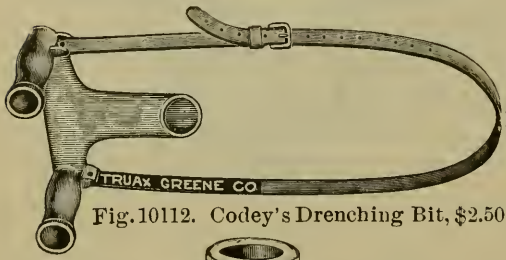


Fig. 10112. Codey's Drenching Bit, $2.50

Fig. 10114. Rubber Drenching Bottle.....$2.00

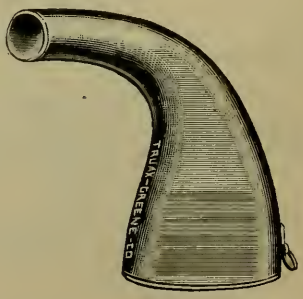


Fig. 10116. Plain Metal Drenching Horn ... $1.00

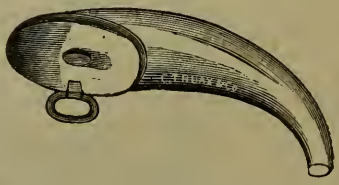


Fig. 10118. Drenching Horn, japanned $0.75
" " nickel plated, 1.75

MOUTH AND STOMACH INSTRUMENTS.

Fig. 10122. Arnold's Balling Gun..... $5.50

Fig. 10124. Plain Balling Gun..... $3.00

Fig. 10125. Best Spring Balling Gun..... $4.50

Fig. 10126. Leather Covered Probangs, 6 feet..... $4.50
" " " 7 " 5.00
" " " 8 " 6.00

Fig. 10127. Jointed Cane Probangs..... $2.50

Fig. 10128. Truax, Greene & Co. Injection Pump..... $ 8.00
" " " " " in leather roll..... 10.00
" " " " " in canvas " 9.00

MOUTH AND STOMACH INSTRUMENTS.

THE ALLEN SURGICAL PUMP.

BEWARE OF INFRINGEMENTS.

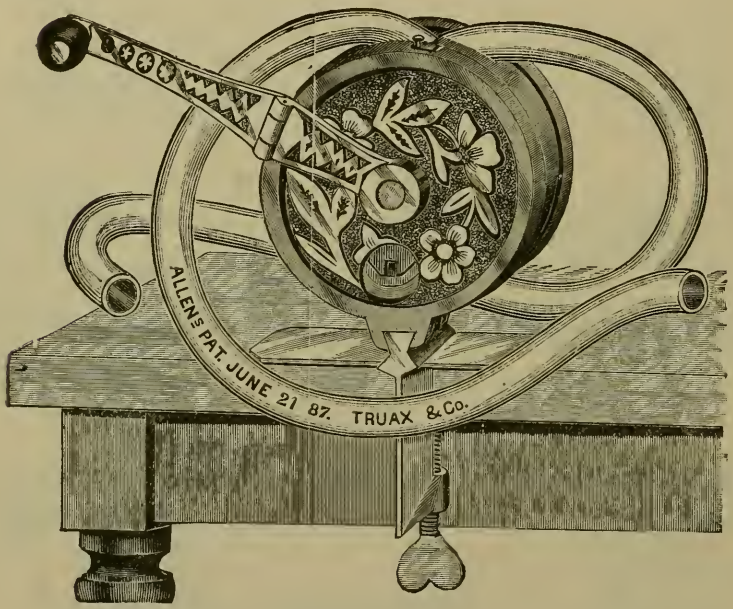


Fig. 1. Showing the Pump attached to a table or board.

FIG. 10129.

By means of suitable attachments it forms an Aspirator, Injector, Stomach Pump, Bladder Syringe, Cupping Pump, Universal Syringe, and Force and Vacuum Pump, all combined in one instrument.

With our improved attachments we claim for this pump:

First. The most powerful, rapid, safest and only aseptible aspirator in use.

Second. The only injector that can be used without admitting air with the fluid injected.

Third. The most effective stomach pump in the market.

Fourth. A safe bladder syringe that may be used with an ordinary catheter.

Fifth. A reliable cupping pump of great power.

Sixth. A universal syringe without valves, giving a steady, uniform current.

Seventh. A vacuum pump capable of raising mercury in a vacuum to a height of twenty-eight inches.

Eighth. A force pump that will force up (and sustain) a column of mercury to a height of twelve feet (equal to a column of water over one hundred and sixty feet in height).

MOUTH AND STOMACH INSTRUMENTS.

THE ALLEN SURGICAL PUMP—CONTINUED.

Ninth. The cleanest and most effective embalming syringe made.

Tenth. A douche having a continuous current that can be made slow or fast, as desired.

It is at the same time both a force and a vacuum pump, depending only on the direction in which the crank is turned, possesses an instantly reversible current, is without valves or stop-cocks, and so arranged that the same tube need not be used for a second operations, as the tube may be easily changed in a few seconds with no further expense than the cost of a new one.

While the Allen Surgical Pump may be easily manipulated by being held in the hand, or attached by means of the clamp to a table, it can be worked to the best advantage by being fastened to a board or chair. When attached to a chair, the chair may be moved about as occasion may require.

This device consists of a metal cylinder, upon the inner surface of which is coiled a single loop of rubber tubing, formed in the piece of suitable length. A shaft having a crank passes through the cylinder to which is attached a roller provided

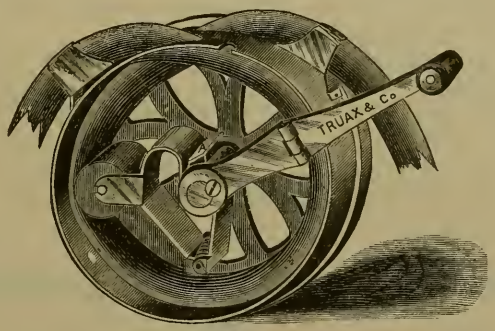


Fig. 2. Showing the Action of the Roller.

with springs so arranged that any degree of pressure desired can be made by it on the tubing. By properly adjusting the springs each revolution of the crank will displace as much air or liquid as is contained in that portion of the rubber tubing forming the loop. As the roller in passing around the circle must rest on the tubing, completely closing it at some point, there is no necessity for any valves. If one end of the tubing be attached to a vacuum bottle and the crank turned so as to force the air in the tubing in the opposite direction, a powerful vacuum will soon be formed; or if the same end be attached to an air receiver and the crank turned toward it, a high pressure of condensed air will be obtained. This apparatus is adapted for pumping both gases and liquids, and is either a force or vacuum pump, depending only on the direction in which the crank is turned. It has no valves or stop cocks, and the current may be instantly reversed. It has sufficient power to force a column of water to a height of one hundred and sixty feet, maintaining it at that height, and the next to the smallest size will easily pump one quart of liquid per minute.

There are no delicate or complicated parts to get out of order. The rubber tubing will not wear out, and should it deteriorate after a few years' use, it may be replaced at the cost of a few cents. Our best outfits are supplied with duplicate tubes, so that the surgeon may be provided with one for septic and another for aseptic use.

MOUTH AND STOMACH INSTRUMENTS.

THE ALLEN SURGICAL PUMP—CONTINUED.

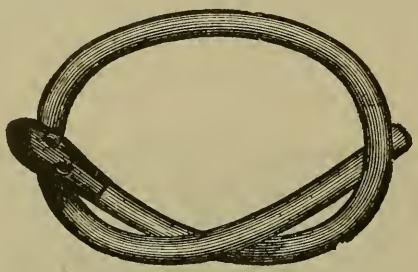


Fig. 3. Stomach Tube.

STOMACH PUMP.

It forms a stomach pump by simply connecting the stomach tube with the instrument. As such its advantages are:

First. Its great power enables the operator to draw semi-solids and particles of undigested food through the openings.

Second. Its reversible current enables him, if these openings become clogged, to reverse the crank and free them.

Third. It may be used for washing out the stomach, and diluting its contents by simply placing the free end of the instrument in a bucket of water and reversing its current, thus filling up and evacuating the stomach as often as desired.

ASPIRATOR.

To convert the Allen pump into an aspirator, it is only necessary to connect with rubber tubing the trocar, and attach it to the pump, when the instrument is ready for work.

Fig. 4. Emmet's Small Trocar.

The aspirators heretofore in the market either necessitate the use of a vacuum bottle, or require the turning of a stop-cock every time the cylinder is filled. The latter work slowly, have valves that are easily clogged, and are usually unsatisfactory. The former require the emptying of the bottle every time it is filled and the creating of a new vacuum, and as they will not work at all without a vacuum, they require an air pump that will always be in perfect working order.

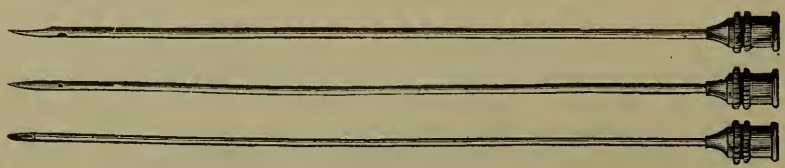


Fig. 5. Plain Aspirating Needles.

As the Allen Surgical Pump possesses no piston (requiring frequent packing) valves or stop-cocks, and, as it is used without a vacuum bottle, both the time usually employed in producing the vacuum and in emptying the bottle is saved.

MOUTH AND STOMACH INSTRUMENTS.

THE ALLEN SURGICAL PUMP—CONTINUED.

Fig. 6.

Veterinary Injection Pipe	$1.00
" Stomach Tube	5.00
" " " extra length	6.00
" Catheter, best	2.00

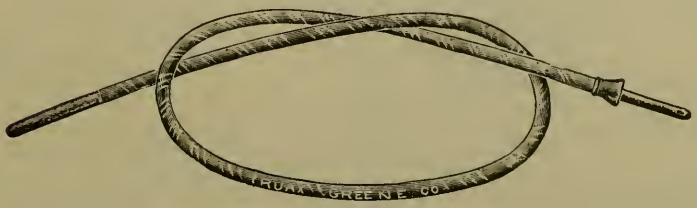
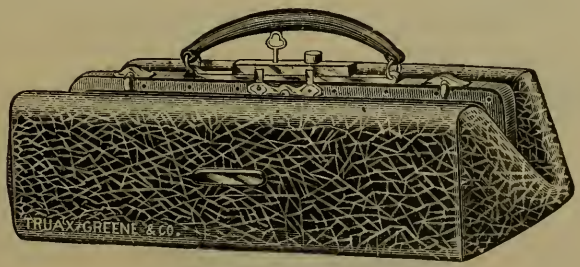


Fig. 7.

Veterinary Stomach Tube, extra length	$6.00



Outfit No. 52.

Outfit No. 52. Veterinary—consisting of 1 6-inch Pump (Allen pattern) with extra heavy tubing; 1 extra Tube for same; 2 Clamps; 3 Connectors; 2 Aspirating Needles; 1 Aspirating Attachment; 1 Emmet's Large Trocar; 1 Catheter; 1 Injection Pipe and 1 Horse Stomach Tube. In a neat, serviceable hand bag $25.00

NASAL INSTRUMENTS.

AIR COMPRESSORS AND ACCESSORIES.

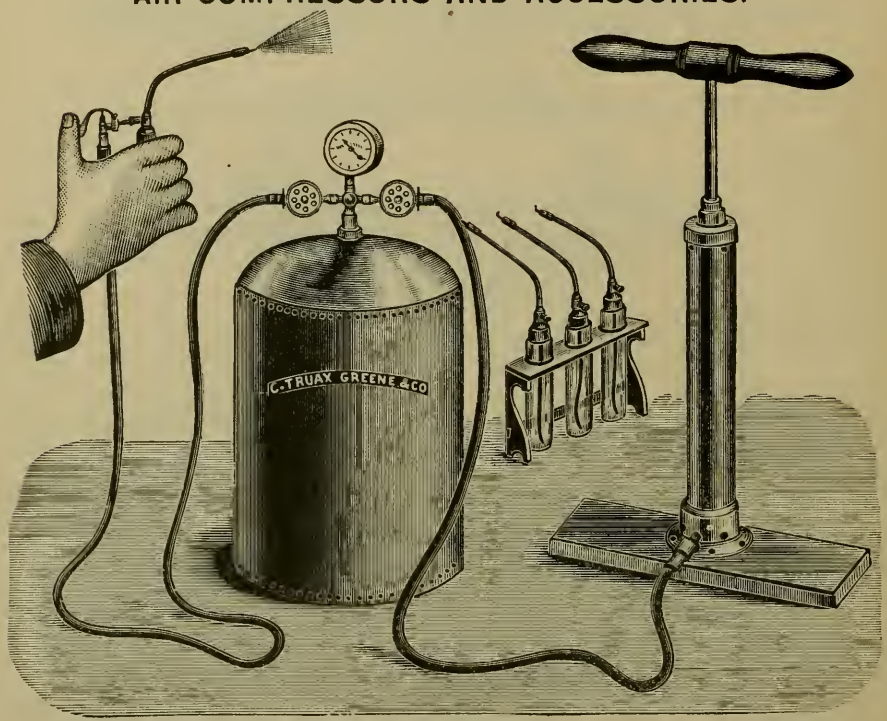


Fig. 10147. Sass Spray Apparatus, complete..... $30.00

There is no class of diseases more general than those of the nose and throat, and the range of possibilities within easy reach of the physician of largely increasing his practice by making more of a specialty of these ailments, is almost without a limit.

A suitable apparatus for the treatment of these diseases consists principally of a light condenser with a few other diagnostic instruments and some style of an air compressor, for throwing sprays and powders over the diseased parts.

This apparatus consists of a steel riveted gold bronzed receiver, 12x18, or a copper receiver, 7x28, full nickel plated, surmounted by double never-leaking wheel valves and gauge registering one hundred pounds. The receivers have been tested to three hundred pounds. T pump of modern construction, nickel plated, set of three hard rubber platinum-tipped spray tubes in rack. Automatic cut-off connected to receiver by silk-covered tubing, linen-lined tubing between pump and receiver. This outfit we guarantee perfect in every detail, and recommend it with the utmost confidence of its proving an indispensable aid to the busy practitioner.

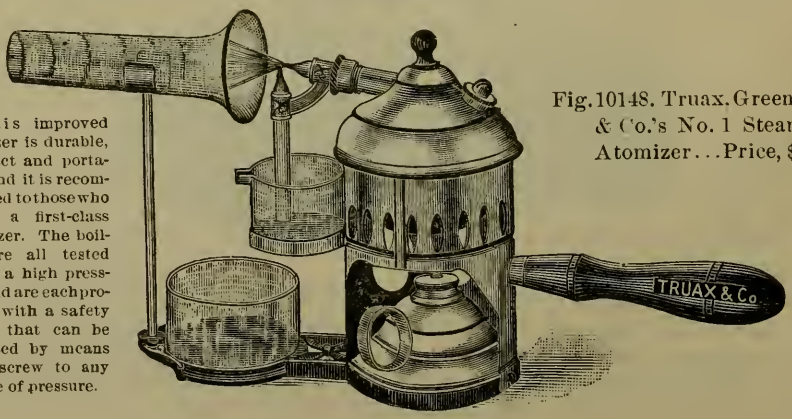


Fig. 10148. Truax, Greene & Co.'s No. 1 Steam Atomizer... Price, $3.50

This improved atomizer is durable, compact and portable, and it is recommended to those who desire a first-class atomizer. The boilers are all tested under a high pressure, and are each provided with a safety valve that can be adjusted by means of a screw to any degree of pressure.

NASAL INSTRUMENTS.

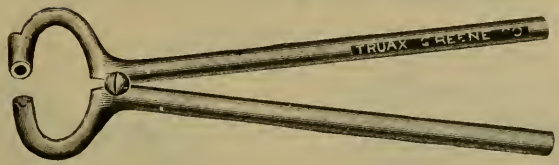


Fig. 10137. Arnold's Nasal Punch..... $4.50

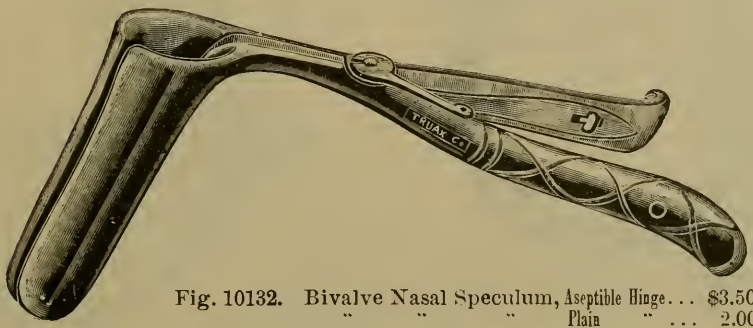


Fig. 10132. Bivalve Nasal Speculum, Aseptible Hinge... $3.50
" " " Plain " ... 2.00

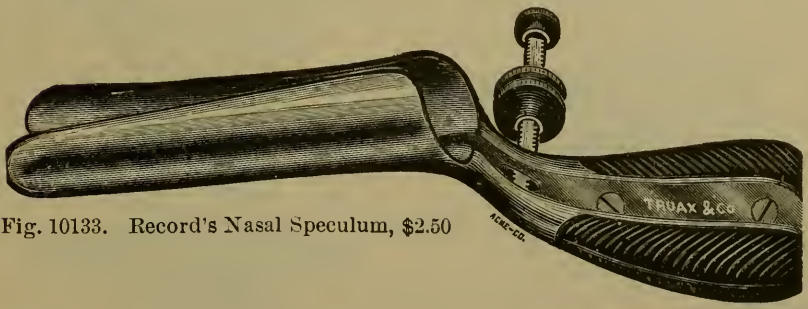


Fig. 10133. Record's Nasal Speculum, $2.50

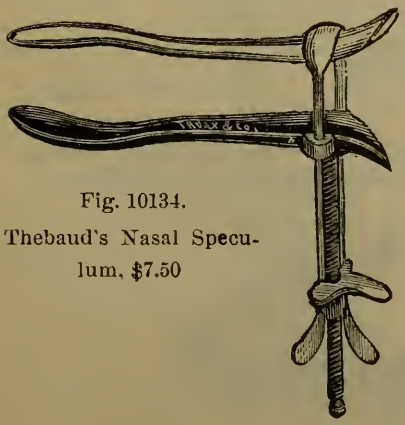


Fig. 10134.
Thebaud's Nasal Speculum, $7.50

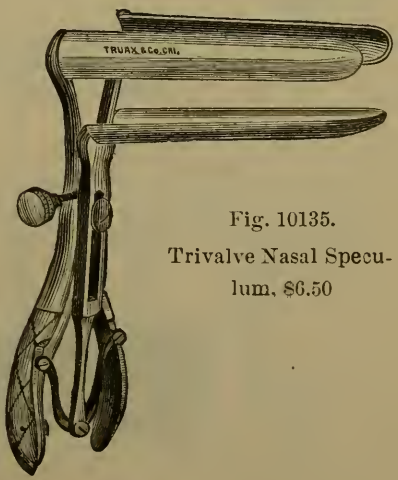


Fig. 10135.
Trivalve Nasal Speculum, $6.50

NASAL INSTRUMENTS.

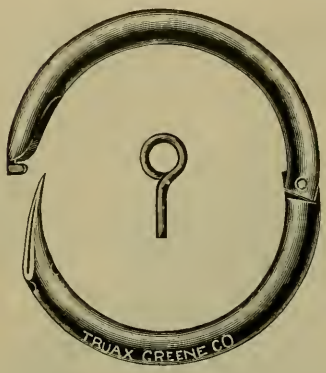


Fig. 10138. Jointed Bull Ring, $1.00

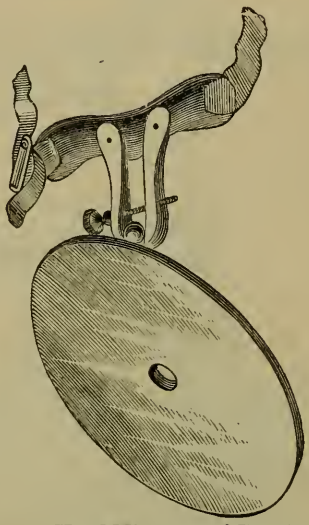


Fig. 10140. Head Mirrors and Handles, with plain headband, 3 in., $2.75; 3½ in., $3.00; 4 in., $3.50

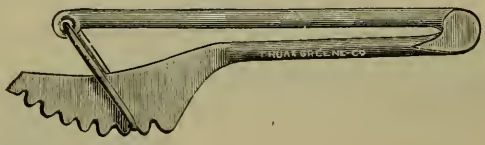


Fig. 10143. Nose Twist..... $3.00

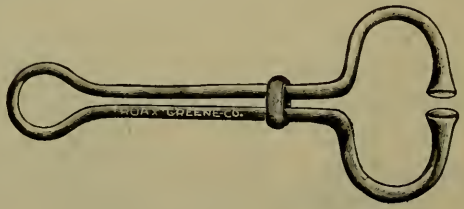


Fig. 10145. Nose Clamp..... $1.50

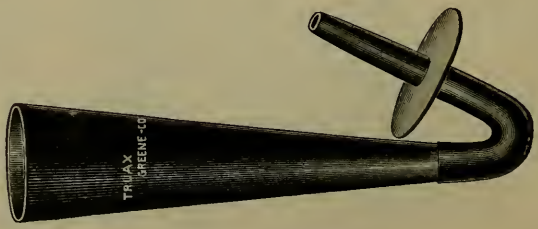


Fig. 10146. Nasal Douche..... $1.75

TRACHEAL AND ROARING INSTRUMENTS.

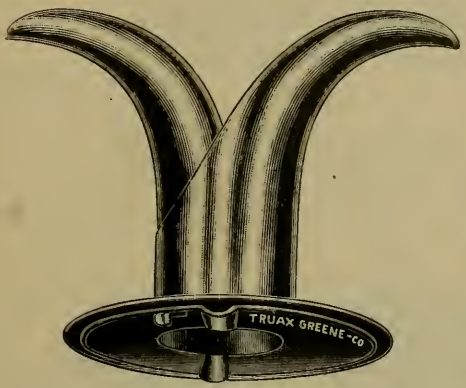


Fig. 10158. Self-Retaining Tracheotomy Tube.
Plated.....$ 3.00
Aluminum..... 5.00
Silver..... 18.00

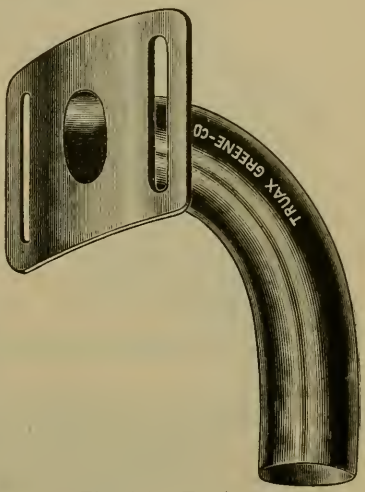


Fig. 10161. Trachea Tube.
Hard Rubber.....$1.50
Metal, Nickel Plated..... 2.50
Aluminum..... 4.00

Fig. 10159. Self-Retaining Trachea Tube, with Sieve.....$ 4.00
Aluminum..... 6.00
Silver..... 22.00

Fig. 10163. Withers' Trachea Tube.
Metal.....$2.50
Aluminum..... 4.00

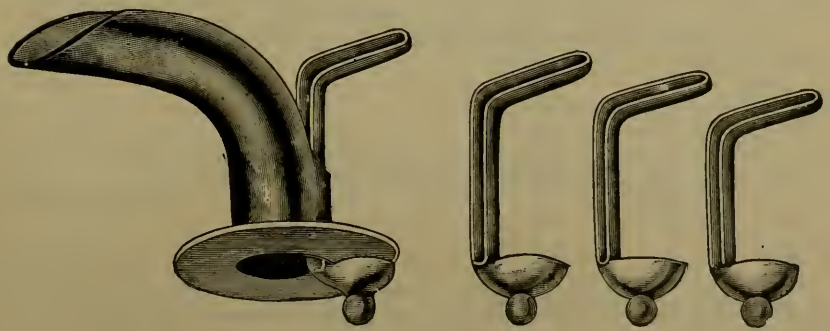


Fig. 10160. Universal Trachea Tube, with 4 sizes clamps.....$9.00

TRACHEAL AND ROARING INSTRUMENTS.

Fig. 10167. Tracheal Retractors ..... per pair, $4.00

Fig. 10168. Angular Knife $1.50

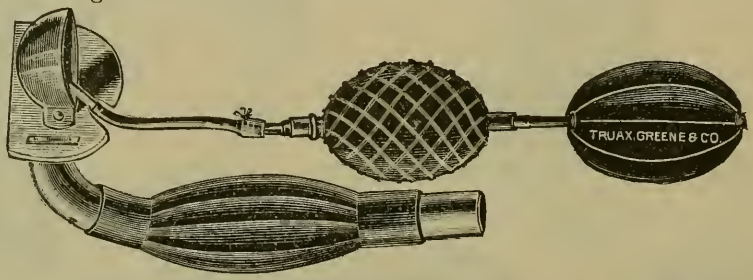


Fig. 10171. Tamponing Trachea Tubes $7.50

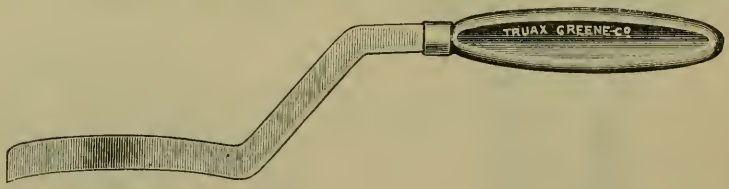


Fig. 10172. Rhodes' Aretenectomy Knife $2.50

Fig. 10179. Tracheal Scissors, double curved..... $2.00

Fig. 10174. Fish's Aretenectomy Knife $2.50

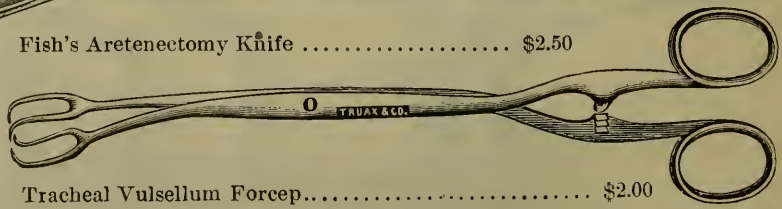


Fig. 10175. Tracheal Vulsellum Forcep..... $2.00

Fig. 10177. Tracheal Tenaculum..... $0.75

EYE INSTRUMENTS.

Fig. 10200. Plain Eye Speculum..$1.00

Fig. 10181. Glass Eyes for Horses,$1.50

Fig. 10182. Rubber Eyes fo. Horses..... $1.00

Fig. 10183. Alum and Copper Pencils.....25c.

Fig. 10184. Dix's Spud.....90c.

Fig. 10195. Jaeger's Straight Keratome..... $1.10

Fig. 10185. Medium Scalpel $1.10

Fig. 10196. Jaeger's Angular Keratome..... $1.10

Fig. 10187. Beers' Cataract Knife, $1.10

Fig. 10197. Graefe's Narrow Cataract Knife.....$1.00

Fig. 10189. Couching Needle.....$1.00

Fig. 10198. Bowman's Canalicula Knife..... $1.10

Fig. 10190. Daviel's Curette.....$1.00

Fig. 10199. Desmarre's Retractor, $1.10

EYE INSTRUMENTS.

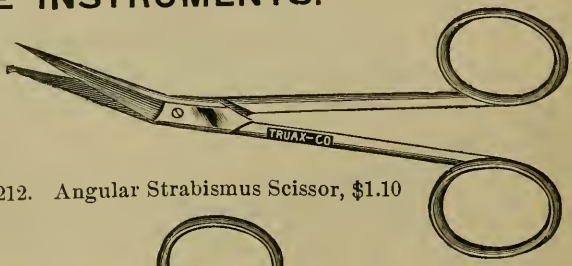


Fig. 10212. Angular Strabismus Scissor, $1.10

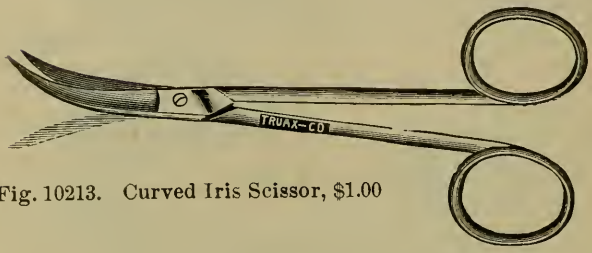


Fig. 10213. Curved Iris Scissor, $1.00

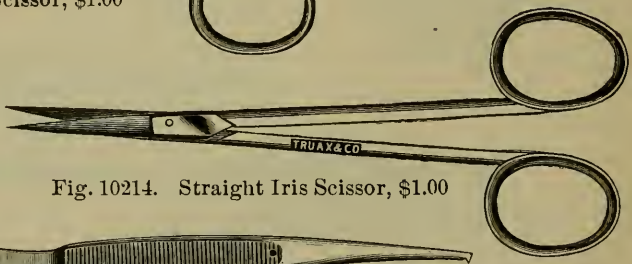


Fig. 10214. Straight Iris Scissor, $1.00

Fig. 10216. Straight Strabismus Forcep..... $1.00

Fig. 10217. Curved Strabismus Forcep..... $1.10

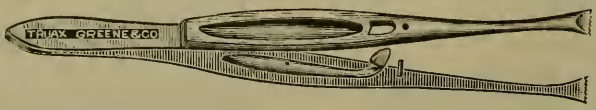


Fig. 10219. Graefe's Fixation Forcep..... $1.50

Fig. 10221. Cilia Forcep..... $0.60

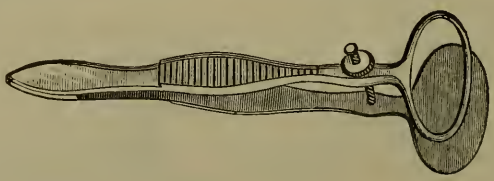


Fig. 10222. Desmarre's Entropium Forcep..... $3.50

EYE INSTRUMENTS.

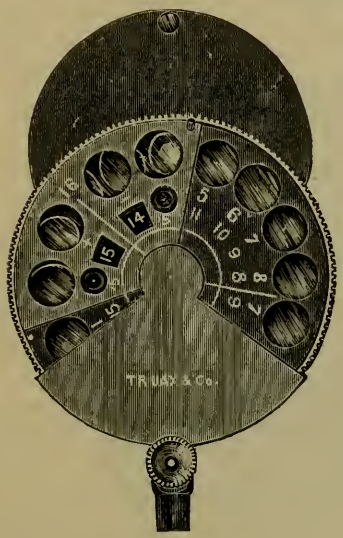


Fig. 10230. Loring's 15-Lens Ophthalmoscope, with Quadrant and Tilting Mirror, 19 Lenses, 4-inch Quadrant, giving 70 combinations.. $7.50

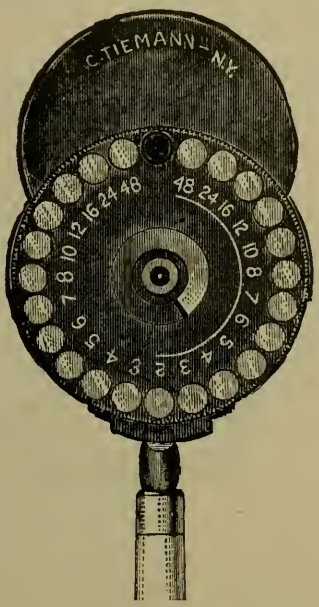


Fig. 10232. Loring's 15-Lens Ophthalmoscope..... $6.25

Fig. 10233. Loring's 7-Lens Ophthalmoscope..... $3.50

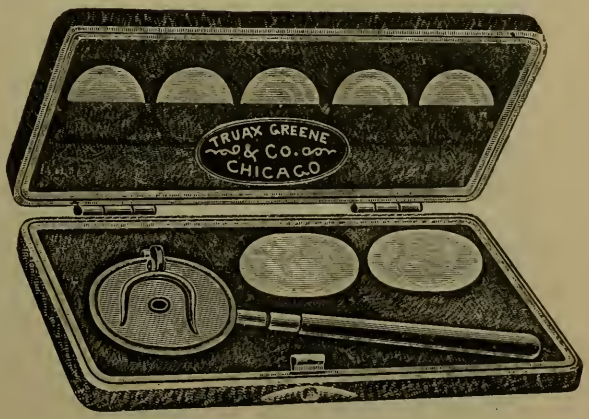
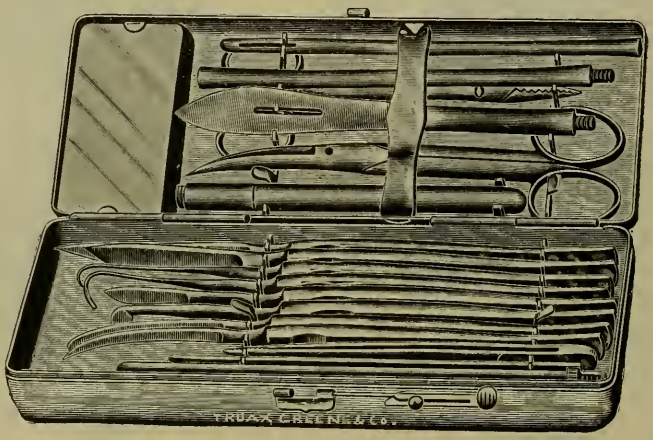


Fig. 10234. Liebrich's Ophthalmoscope..... $2.50

POCKET INSTRUMENT CASES.



Truax, Greene & Co.'s Aseptible Pocket Case No. 30, containing:

1 Scalpel.
1 Sharp Curved Bistoury.
1 Straight " "
1 Probe Curved "
1 Tenaculum.
1 Miles' Castrating Knife.
1 Neurotomy Needle.
1 Knicking Knife.
1 Director.
1 Caustic Holder, Aluminum.
1 Jointed Probe.
1 Tait's Artery Forcep.
1 Two-Joint Seton Needle.
1 Tissue Forcep.
1 Fitch Trocar.
1 6-inch Curved Scissors.
1 dozen Needles.
1 Skein Silk.
1 Bottle Antiseptic Tablets.

All contained in a Solid Metal Aseptible Case, 7½ inches long, 3 inches wide and 1¼ inch thick..... $25.00

Truax, Greene & Co.'s Aseptible Pocket Case No. 40, containing:

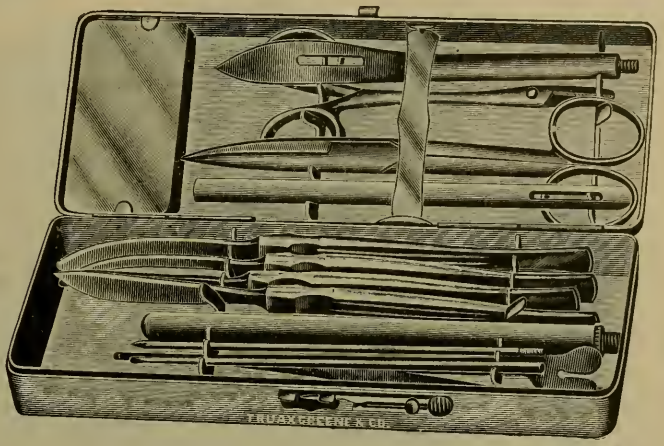
1 Scalpel.
1 Sharp Curved Bistoury.
1 Probe " "
1 Tenaculum.
1 Miles' Castrating Knife.
1 6-inch Curved Scissors.
1 dozen Needles.
1 Tait's Artery Forcep.
1 Fitch Horse Trocar.
1 Two-Joint Seton Needle.
1 Director.
1 Jointed Probe.
1 Skein Silk.
1 Bottle Antiseptic Tablets.

All contained in a Metal Aseptible Case, 7½ inches long, 3 inches wide and 1¼ inch thick..... $20.00

POCKET INSTRUMENT CASES.

Truax. Greene & Co.'s Aseptible Pocket Case No. 50, containing:

1 Scalpel.
1 Sharp Curved Bistoury.
1 Probe Curved Bistoury.
1 Knicking Knife.
1 Fitch's Horse Trocar.
1 dozen Needles.
1 Tait's Artery Forcep.
1 6-inch Curved Scissors.
1 Tissue Forcep.
1 Seton Needle, Jointed.
1 Director.
1 Jointed Probe.
1 Skein of Silk.
1 Bottle of Antiseptic Tablets.



All contained in a Solid Metal Aseptible Case, 7½ in. long, 3 in. wide and 1¼ in. thick..... $18.00

Fig. 10250. Truax, Greene & Co.'s Pocket Instrument Case, containing:

1 Scalpel.
1 Curved Sharp Point Bistoury.
1 Tenaculum.
1 Curved Prove Point Bistoury.
1 Tenotome.
1 Double Edge Hoof Knife.
1 Pr. Scissors, curved on flat.
1 Heavy Dressing Forcep.
1 Director.
1 Jointed Probe.

Needles and Silk in neat two-fold case of good quality..... $11.50

POCKET INSTRUMENT CASES.

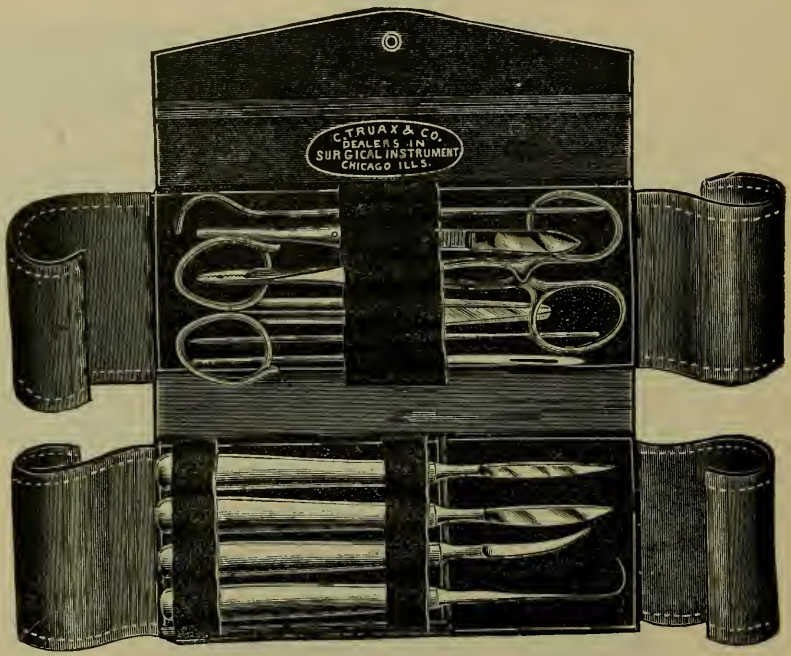


Fig. 10260. Truax, Greene & Co.'s Pocket Case No. 14, containing:

1 Scalpel.
1 Straight Bistoury.
1 Curved Sharp Bistoury.
1 Tenaculum.
1 Probe, Jointed.
1 Scissors, Aseptible Lock.
1 Pean's Artery Forcep.
1 Plain Artery Forcep.
1 Director and Aneurism Needle.
12 Needles.
1 Card Silk.

All in a Leather-Lined Case..... $7.00

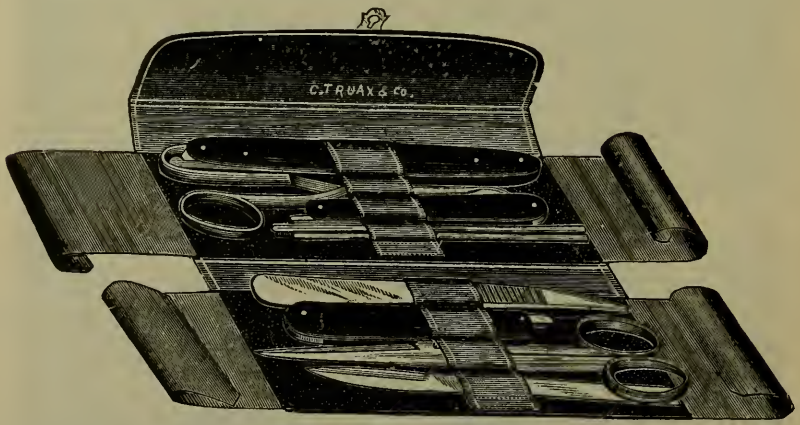


Fig. 10262. Truax, Greene & Co.'s Pocket Case No. I, containing:

1 Sharp Point Curved Bistoury.
1 Probe Point Curved Bistoury.
1 Tenaculum.
1 Scalpel.
1 Scissors.
1 Artery Forcep.
1 Jointed Probe.
1 Seton Needle.
Needles and Silk.

In a Two-Fold Morocco Case..... $9.00

POCKET INSTRUMENT CASES made to order, new cases furnished and old instruments repolished and plated.

POCKET INSTRUMENT CASES.

Fig. 10265.

Truax, Greene & Co.'s Pocket Instrument Case No. 3, containing:

1 Scalpel.
1 Hoof Knife.
1 Sharp Point Curve Bistoury.
1 Probe " " "
1 Knicking Knife.
1 Thumb Lance.
1 Polypus and Dressing Forcep.
1 Plain Artery Forcep.
1 Scissors.
1 Fleam.
1 Director.
1 Tenaculum.
1 Jointed Probe.
1 Seton Needle unscrewing into two parts.
Needles and Silk.

In a three-fold Morocco Case..... $18.00

POCKET INSTRUMENT CASES made to order, new cases furnished and old instruments repolished and plated.

POCKET CASE INSTRUMENTS.

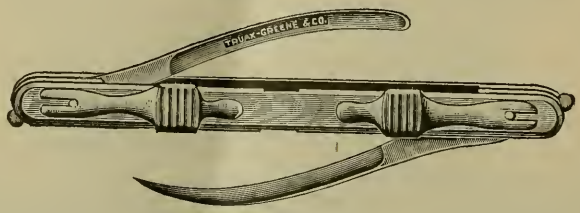


Fig. 10270. Truax, Greene & Co.'s Aseptible Pocket Case Knife, Curved Sharp Point and Curved Probe Point Bistoury, $2.00. Handle and single blade..... $1.25

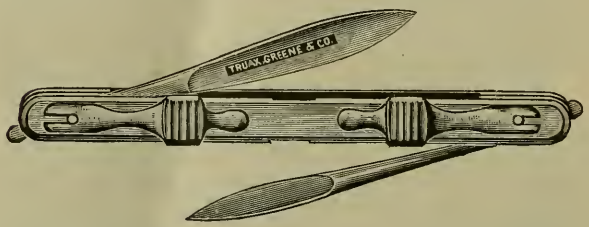


Fig. 10271. Truax, Greene & Co.'s Aseptible Pocket Case Knife, Scalpel and Tenotome, $2.00. Handle and single blade..... $1.25

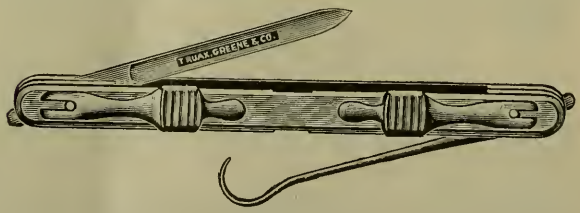


Fig. 10272. Truax, Greene & Co.'s Aseptible Pocket Case Knife, Straight Bistoury and Tenaculum, $2.00. Handle and single blade..... $1.25

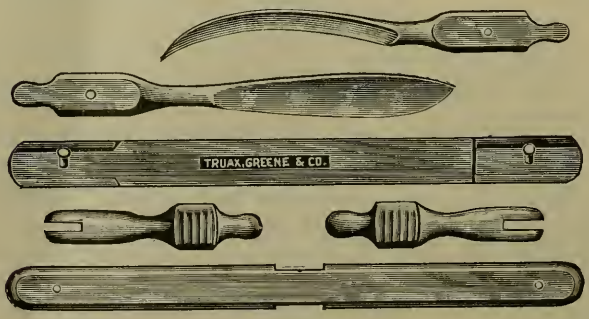


Fig. 10273. Truax, Greene & Co.'s Aseptible Pocket Case Knife, Scalpel and Curved Sharp Point Bistoury, $2.00. Handle and single blade.. $1.25

Interchangeable blades. All combinations furnished at the same price. This is the most perfect and satisfactory double pocket case knife yet devised. It is perfectly aseptible, strongly made, and having no springs or small parts, it is not liable to get out of order. The blades when opened can be fixed so they are as firm as a solid handle.

POCKET CASE INSTRUMENTS.

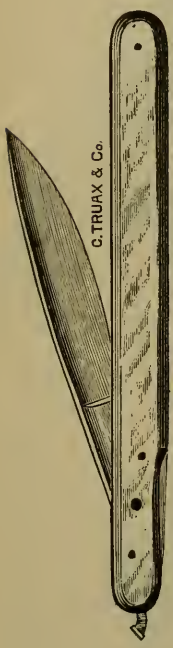


Fig. 10332. Scalpel, no Catch..... $0.75

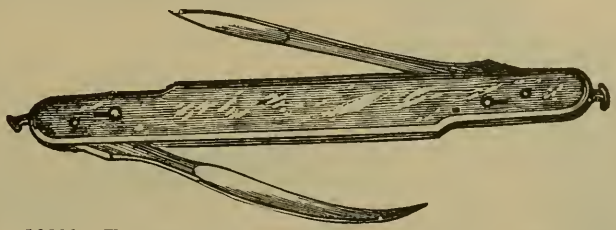


Fig. 10320. Tenotome and Sharp Bistoury, Slide Catch. Hard Rubber Handle..... $2.25

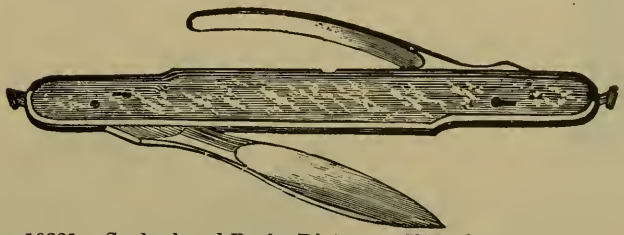


Fig. 10321. Scalpel and Probe Bistoury, Slide Catch, Hard Rubber Handle..... $2.25

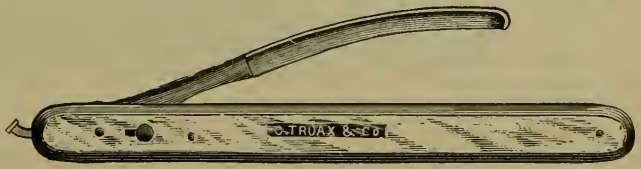


Fig. 10323. Probe Point Curved Bistoury, Slide Catch..... $1.50

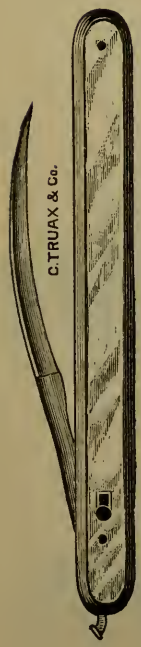


Fig. 10325. Sharp Point Curved Bistoury, Slide Catch, $1.50

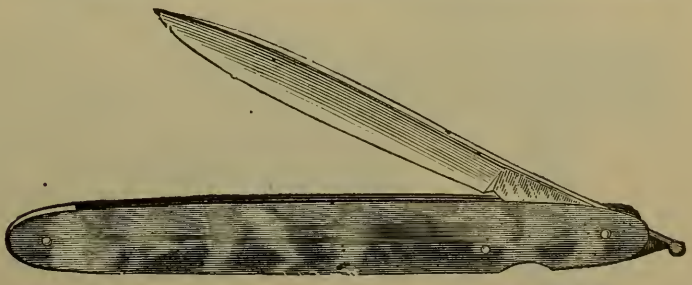


Fig. 10335. Straight Bistoury, no Catch..... $0.75

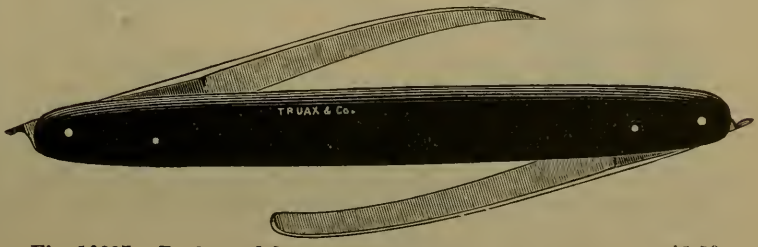


Fig. 10327. Probe and Sharp Curved Bistoury, plain..... $1.50

POCKET CASE INSTRUMENTS.

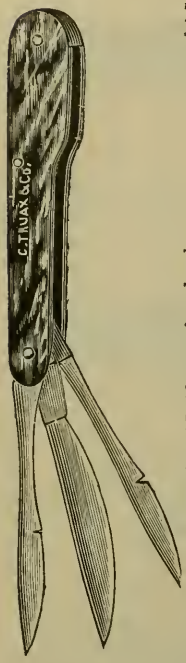


Fig. 10347. Pricking Knife, spring back..... $2.50

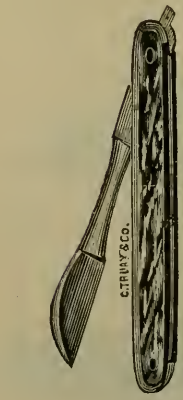


Fig. 10351. Knicking Knife..... $1.25

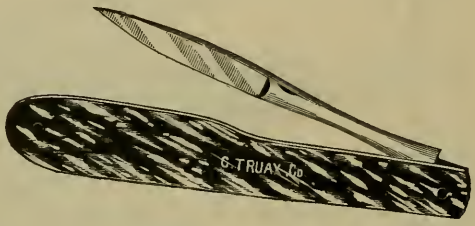


Fig. 10350. Pricking Knife, single blade..... $1.50
" " double " 2.00

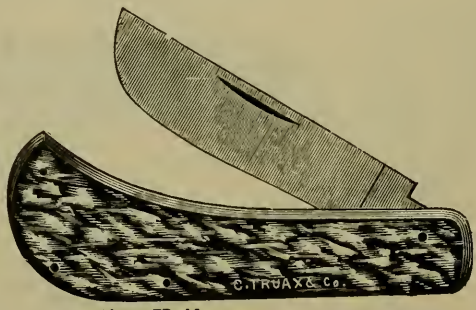


Fig. 10353. Castrating Knife..... $1.25

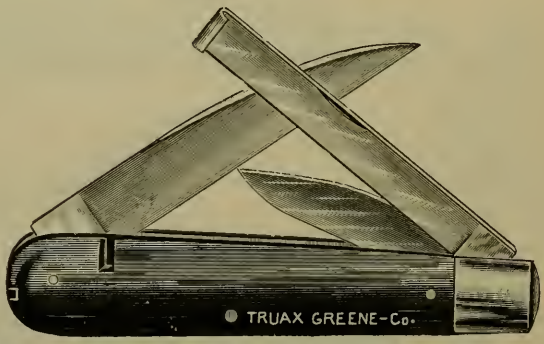


Fig. 10340. Berlin Pocket Knife, spring back..... $3.00

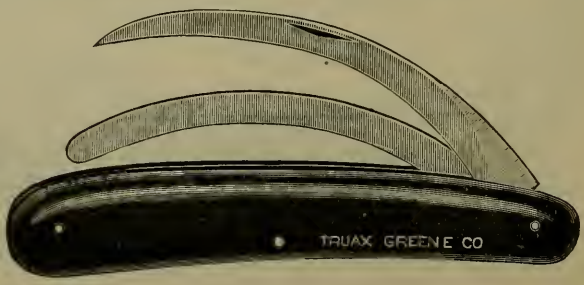


Fig. 10342. Wither's Abscess Knife, spring back..... $2.25

POCKET CASE INSTRUMENTS.

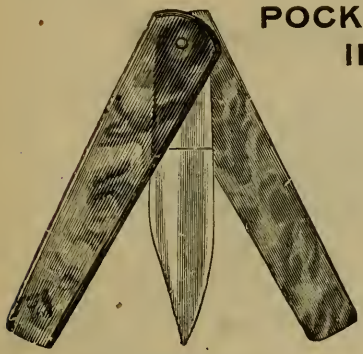


Fig. 10356. Abscess Lance....75c.

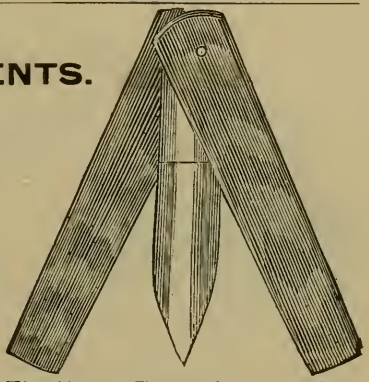


Fig. 10355. Thumb Lance ...75c.

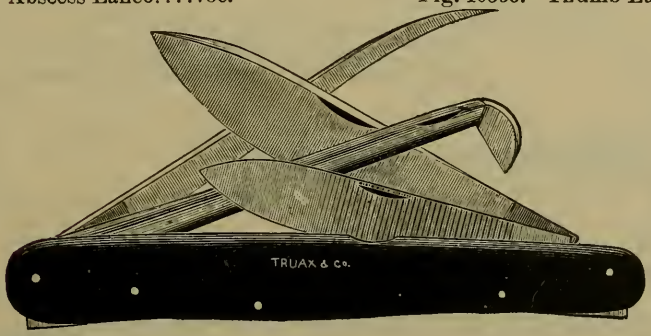


Fig. 10360. Four Blade Knife..... \$3.50

Fig. 10364. Farmer Miles' Castrating Knife \$1.50

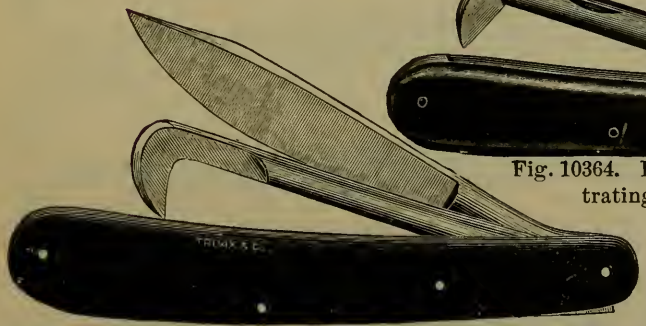


Fig. 10362. Large Scalpel and Castrating Knife..... \$2.25

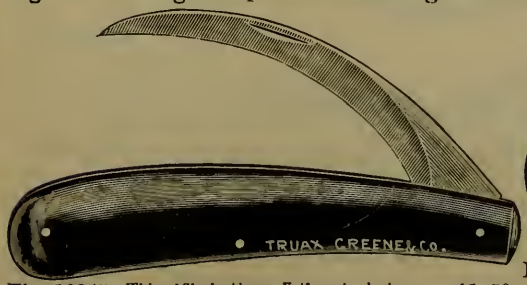


Fig. 10345. Withers' Single Abscess Knife, spring back.....\$1.50

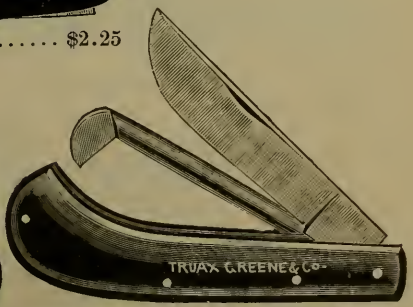


Fig. 10370. Miles' Castrating Knife and Scalpel, small...\$2.25

POCKET CASE INSTRUMENTS.

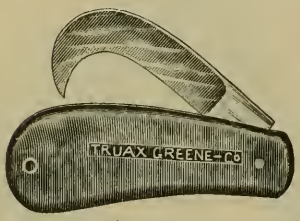


Fig. 10374.
Leech's Embryotomy Knife, $1.50

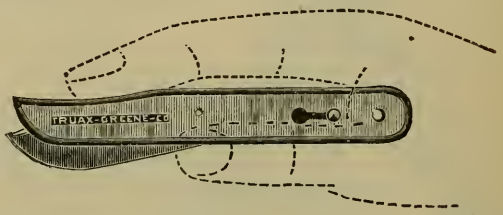


Fig. 10376. Palmer's Embryotomy Knife..... $2.00

Fig. 10379. Dressing and Polypus Forcep, Aseptible..... $0.90

Fig. 10380. Spencer Wells' Artery Forcep, Aseptible..... $1.25

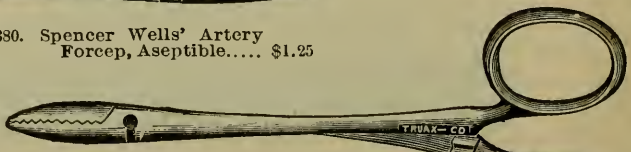


Fig. 10381. Tait's Artery Forcep, Aseptible, $1.25

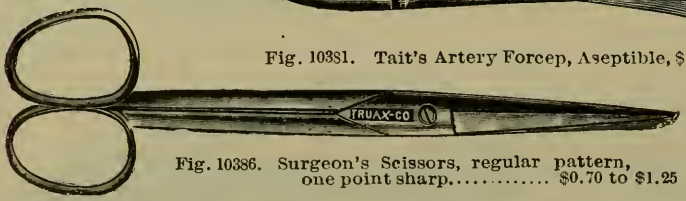


Fig. 10386. Surgeon's Scissors, regular pattern, one point sharp..... $0.70 to $1.25

Fig. 10384. Blunt Point Scissors..... $0.70 to $1.25

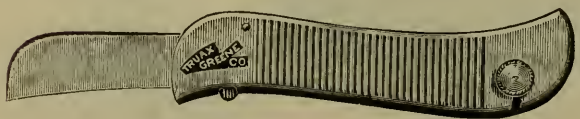


Fig. 10372. Lucas' Embryotomy Knife..... $3.00

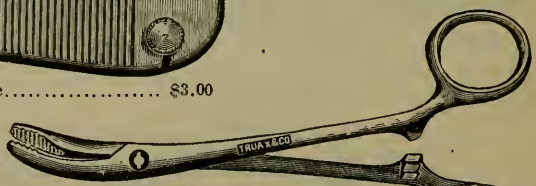


Fig. 10383. Tait's Curved Artery Forcep, Aseptible..... $1.25

Fig. 10373. Concealed Blade Embryotomy Knife..... $1.85

POCKET CASE INSTRUMENTS.

Fig. 10391. Langenbeck's Serresfins..... $0.50; dozen, $5.00

Fig. 10392. Bull Dog Artery Forcep..... $1.50

Fig. 10393. Plain Aseptible Artery Forcep, Mouse Tooth..... $0.75

Fig. 10395. German Artery Forcep..... $1.75

Fig. 10396. Fricke's Side Catch Artery Forcep, Aseptible..... $1.50

Fig. 10398. Plain Aseptible Artery Forcep..... $0.50 to $1.00

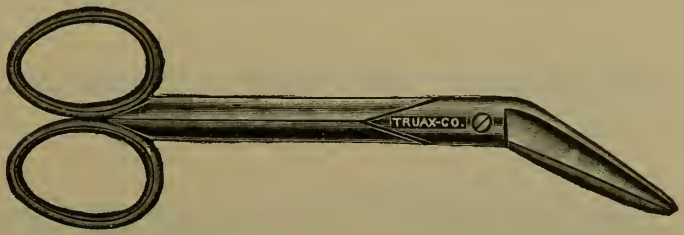


Fig. 10389. Angular Scissors..... $0.80 to $1.10

Fig. 10390. Curved on the Flat Scissors..... $0.80 to $1.40

POCKET CASE INSTRUMENTS.

Fig. 10403. Frog Seton Needle $0.75

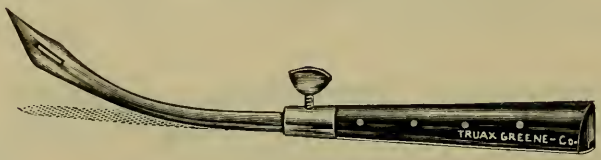


Fig. 10405. Sewell's Frog Seton Needle with Handle $2.50

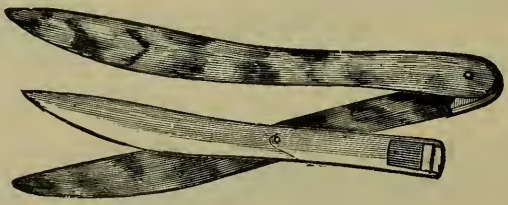


Fig. 10409. Folding Seton Needle $1.50

Fig. 10400. Seton Needle, Jointed, Sharp $1.50

Fig. 10402. Seton Needle, 2 Joint Probe $2.00

Fig. 10408. Plain Seton Needles, 6-inch $0.50
" " " 10 " ..... .75
" " " 14 " ..... .90
" " " 18 " 1.00

Fig. 10406. English Guarded Seton Needle $4.50

POCKET CASE INSTRUMENTS.

Fig. 10420. Truax's Set Probes, large size..... $2.00

Fig. 10422. Jointed Probes.....Plated, pair, 90c. to $1.25; Silver, $1.25 to $1.50

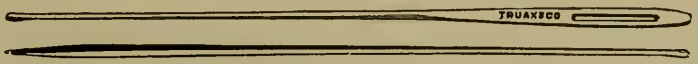


Fig. 10423. Silver Probes..... pair, 50c.

Fig. 10424. Grooved Director, 6 inch..... 40c.

Fig. 10425. Exploring Trocar..... 90c.

Fig. 10430. Truax Aluminum Caustic Holder.....75c. to $1.00

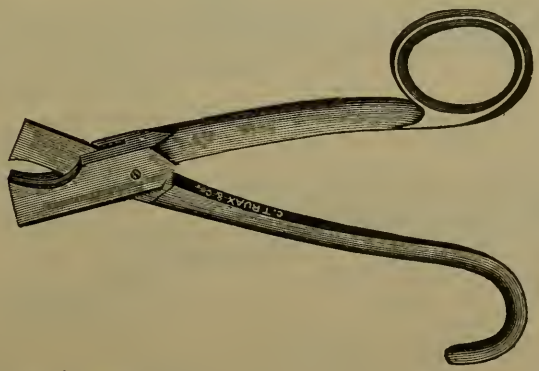


Fig. 10432. Rowelling Scissors, plain..... $1.50
" " best..... 1.75

SURGICAL REQUIREMENTS—SUTURING.

Fig. 10440. Abbe's Needle Holding Forcep, for Hagedorn's Needles..... $2.00

Fig. 10442. Ethridge's Automatic Needle Holder, Aseptible..... $3.00

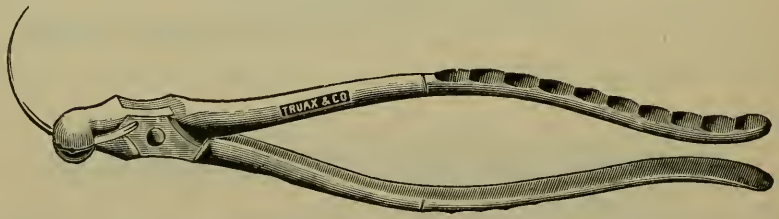


Fig. 10443. Truax's Perfected Needle Holder..... $2.50

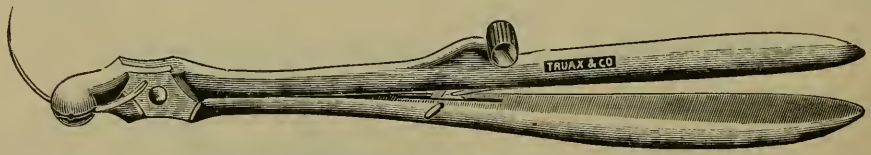


Fig. 10444. Truax's Modification of the Russian Needle Holder..... $3.00

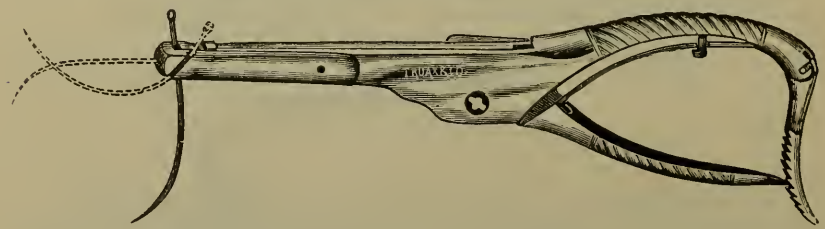


Fig. 10446. Hagedorn's Needle Holder, all joints separable, will hold a needle in any position..... $6.00

SURGICAL REQUIREMENTS—SUTURING.

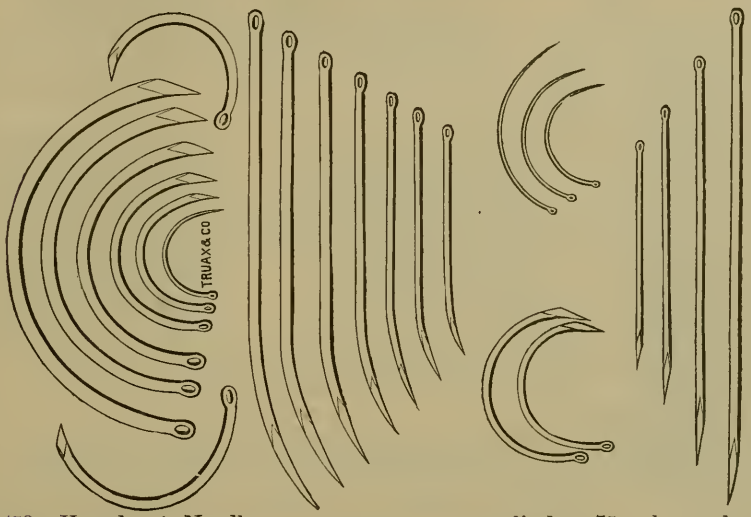


Fig. 10458. Hagedorn's Needles.....small, doz., 75c.; large, doz., $1.25

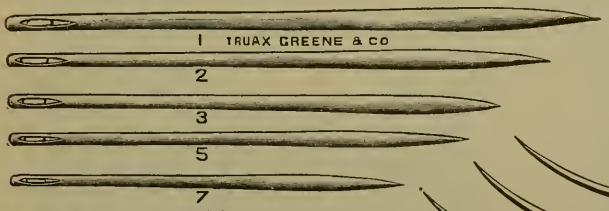


Fig. 10450. Straight Needles .....doz., $1 00

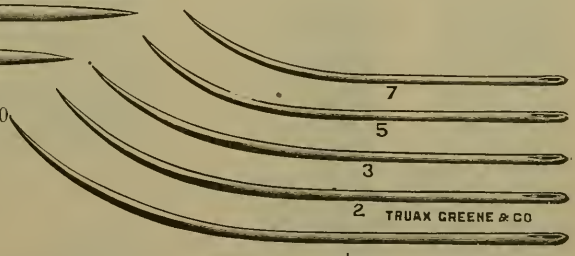


Fig. 10451. Half Curved Surgeon's Needles, doz., $1.00

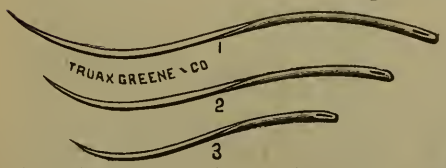


Fig. 10452. Double Curved Surgeon's Needles.....doz., $1.25

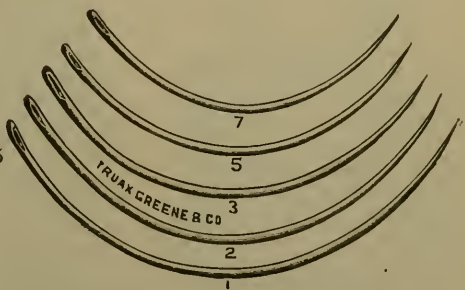


Fig. 10455. Full Curved Surgeon's Needles.....doz., $1.00

Fig. 10453. Surgeon's Needles, self-threading, spring eye...doz., $1.50

SURGICAL REQUIREMENTS—SUTURING.

Fig. 10460.

Metal Covered Bottles, 1 oz..... $0.50
Metal Covered Bottles, 2 oz..... .65
Metal Covered Bottles, 4 oz..... .75
Metal Covered Bottles, 8 oz..... 1.00

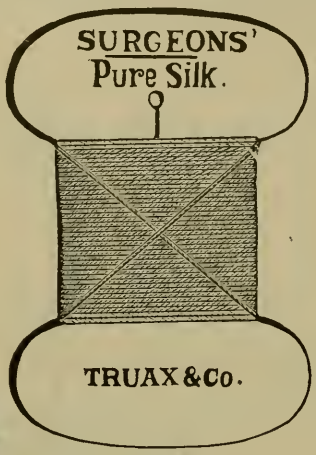


Fig. 10462.
Surgeons' Silk, Nos. 1 to 14.
Per card, twisted, 10c.; braided, 20c.

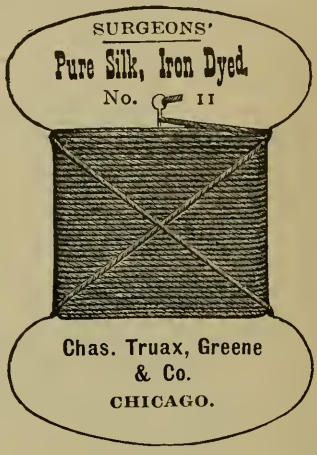


Fig. 10463.
Iron-Dyed Surgeon Silk, Nos. 1 to 14
Per card, twisted, 10c.; braided, 25c.

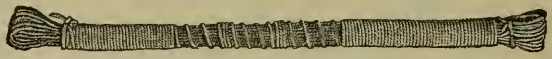


Fig. 10464. Cable Twist Silk; sizes, 4, 8, 11 and 13..... $0.30
" Braided " " 9, 10, 11, 12, 13 and 14..... .50

Fig. 10466.
Silver Wire, 1 yard on spool, 6 spools in box, $1.20

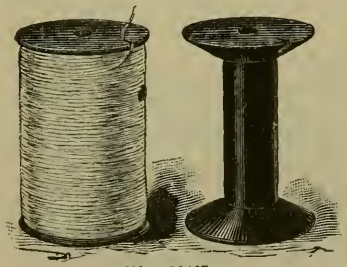


Fig. 10467.
Silk Braided or Twisted in bulk.
Write for prices.

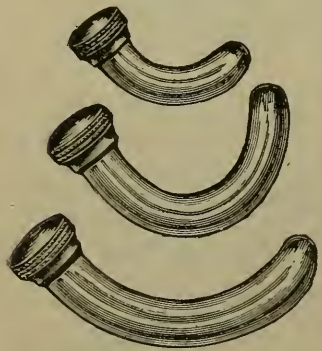


Fig. 10468.
Berlin Needle Bottles, 3 sizes, straight or curved....each, $0.35

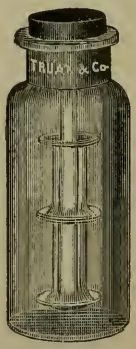


Fig. 10469.
Ligature Bottle, with two upright reels.... $0.75

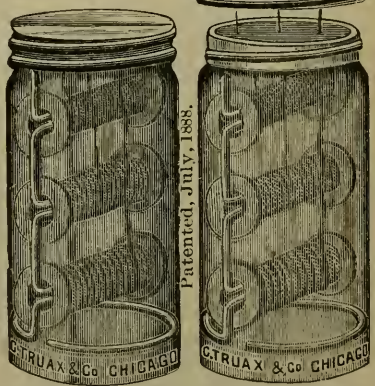


Fig. 10470.
Aseptic Silk, per bottle, Braided, $0.60
Twisted..... .50
Catgut..... .60

SURGICAL REQUIREMENTS—SUTURING.

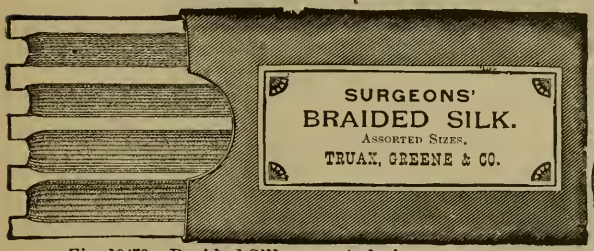


Fig. 10473. Braided Silk, assorted sizes, on tablets, in slip cases..... 50c.

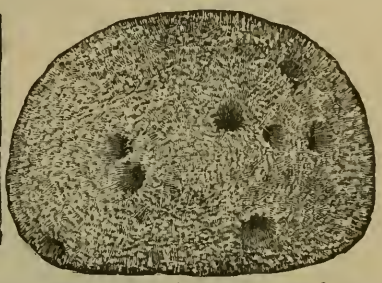


Fig. 10472. Surgeon's Sponges, per dozen, small, 50c.; medium, $1.00; large, $1.50; extra large, $2.00; choice, $3.00; small, on strings of 50 each, $1.00.

Fig. 10474. India Rubber Drainage Tube..... .....per yard, 25c. to 35c.

Fig. 10478. Sylvester's Ligature Bottle, hard rubber.....$1.75

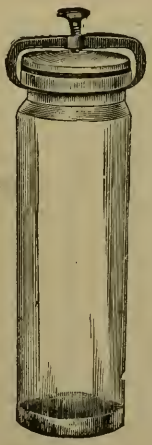


Fig. 10479. Jars for Anatomical Specimens, Sponges, etc. Write for prices.

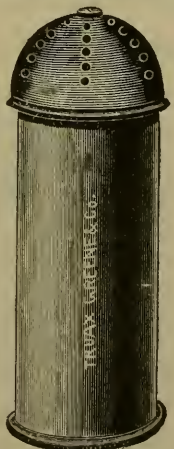


Fig. 10480. Iodoform Box with revolving top, Berlin pattern $1.25

Fig. 10482. Hard Rubber Iodoform Box .... 50c. to $1.00

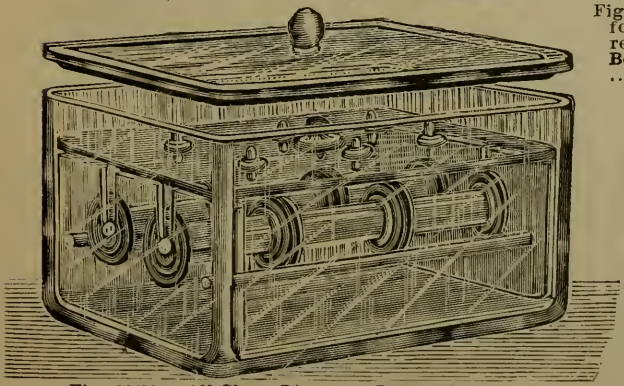


Fig. 10486. All-Glass Ligature Box, 4 large size spools, Hagedorn's model..... $6.00

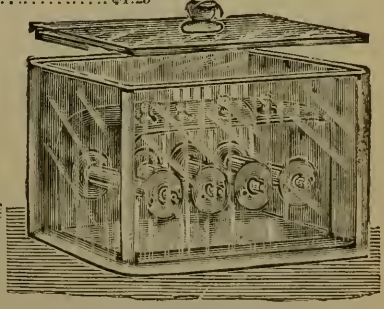


Fig. 10488. All-Glass Ligature Box, 4 medium size spools $4.50

SURGICAL REQUIREMENTS—SUTURING.

Kangaroo Tendon Sutures.

25 Sutures in each bottle. = = Price, $2.50 per bottle.

We have made an arrangement whereby we can furnish Kangaroo Tendon Sutures prepared under the personal supervision of Dr. Henry O. Marcy, of Boston,

The profession is indebted to Dr. Marcy for the demonstration of the advantages to be derived from the closure of all aseptic wounds, without drainage by the use of buried animal sutures. He published his observations five years previous to Werth, of Germany, to whom in Europe, is credited the valuable innovation.

Dr. Marcy proved from many histological investigations that the suture, thus buried, is not alone slowly absorbed, but it is in large measure replaced by *vitalized connective tissue.* Somewhat recently these observations have been abundantly confirmed in the elaborate work of Ballanee and Edwards—who give decided preference to the tendon suture, especially that from the tail of the kangaroo. Dissatisfied with catgut, as difficult to sterilize, and at the best inherently faulty in construction, Dr. Marcy made a painstaking investigation of the tendons from a great variety of animals for a substitute. In 1880 he determined that those from the tail of the kangaroo possessed advantages over all others, and urged their introduction to the surgical profession of Europe and America. They have withstood the crucial test of more than ten years' continued use. The chief objection to their general adoption has been the difficulty of obtaining them in sufficient quantity and the high cost. Notwithstanding their superiority over any other suturing material has already created a wide demand, it affords us great pleasure to be able to furnish our patrons carefully prepared kangaroo tendons at the greatly reduced price of ten dollars a hundred. Mailing orders will be filled for bottles containing twenty-five each, guaranteed aseptic.

"I take pleasure in exhibiting, at the request of some of the Fellows, samples of kangaroo tendons, in the condition in which they are sent to me from Australia. It will be noted that this animal has the tendon of the tail disposed in a bundle of parallel fibres, running its entire length. These vary in size, dependent upon the size and species of the animal. As will be observed, they are easily separated into even, smooth, round strands of uniform size. Those from the species called the

SURGICAL REQUIREMENTS—SUTURING.

wallabee are preferable, since the size of the tendons is that more commonly desired for the suturing of wounds. They vary somewhat in length, averaging about 20 inches. I have carefully studied the tendons of every animal which I thought could furnish the material suitable for sutures."

"I sent to Australia more than ten years ago for a supply of tendons from the tail of the kangaroo, inferring from the relationship of the species with the squirrel and oppossum, that the tail of this animal should furnish similar tendons, and of course, much longer and larger. It has been only after many and repeated efforts that I have been enabled, within two or three years, to secure a supply much in excess of my own immediate requirements. In earlier years I have paid any price demanded, even in Australia, 60 cents per strand, by the hundred. However, an arrangement has been recently effected, by which an ample supply may be obtained for furnishing the entire profession with reliable tendons."

"Catgut has many defects, chief of which is, that for days together, the intestines of the animal, from which it is made, must remain in a state of active putrefaction, in order to separate the connective tissue sheath from the other coats of the bowel, This is then subdivided as required in size, and twisted into a thread, the ordinary catgut, or violin strings of commerce.

The sterilization of this material, so as to render it safe for sutures or ligatures, and yet not injure its integrity, is by no means easy. As has been shown by many observers, the largest sizes especially of catgut prepared for surgical use, contain bacteria, capable, under favorable circumstances, of reproduction. This is doubtless the most valid reason why catgut, as suture material, has fallen into disuse.

When its histological elements are investigated, it will be seen that its ultimate fibres cross each other diagonally to the long axis of the bowel. This is an admirable disposition to allow of the ever-varying size of the intestine, but it is little suitable for the purposes of great strength and inelasticity. The illustration is not overdrawn in the comparison of the attempt to make a strong cord by cutting the finest woven fabric upon the diagonal and twisting it. So great is the strength of the connective tissue of animals that catgut, when kept dry, is capable of resisting great strain, as in the high tension of musical instrument strings. But, when macerated, a softening process which must take place in the tissues of the body, the catgut unfolds and becomes a soft, elastic material. This explains why, in the interrupted suture, the knot is so untrustworthy. The tendons proper of animals have their fibres uniformly disposed in parallel lines, and as a consequence, when moist, are many times stronger than the same size of catgut."

A properly prepared aseptic animal suture, buried aseptically in healthy tissues, slowly disappears, and, as histological studies abundantly prove, they are replaced, in large measure, by connective tissue cells, making a band of living, constricting, or supporting structure, which surrounds the included part.

This is of the highest importance in the ligating of large vessels, and of almost equal value in the supporting of many of the structures coapted in wounds, as, for example, in hernia, the repair of the perineum, etc.

I am certain that one of the greatest advantages of modern surgery is found in the immediate coaptation of all well vitalized aseptic wounds, hermetically sealed without drainage. For this purpose the tendon suture is the ideal material, and I hazard very little in predicting that, at an early date, the clumsy, bungling method of closing wounds with interrupted sutures, at best liable to infection and subsequent danger, will be relegated to history, and the tendon suture will become an indispensable factor in wound treatment."—[Extracts from paper written by Dr. H. O. Marcy.

SURGICAL REQUIREMENTS—SUTURING.

LEE'S NEW PATENTED ASEPTIC LIGATURE PACKAGES.

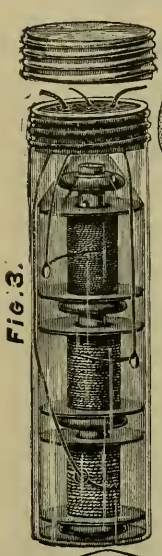


Fig. 3.

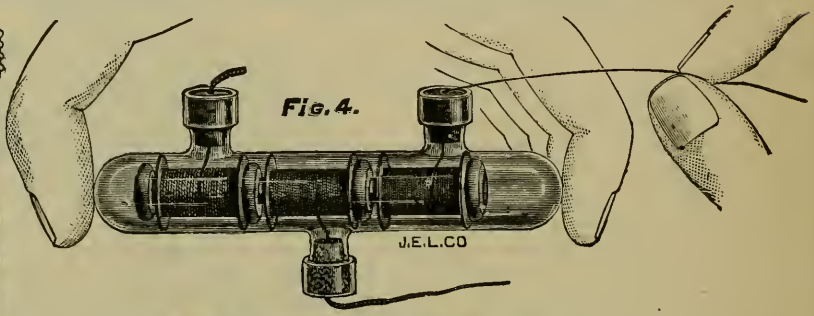
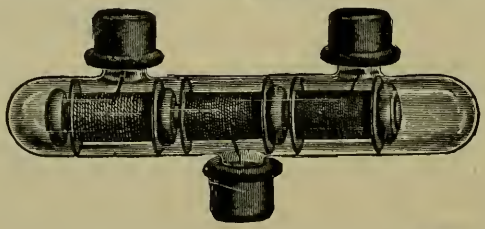


Fig. 4.



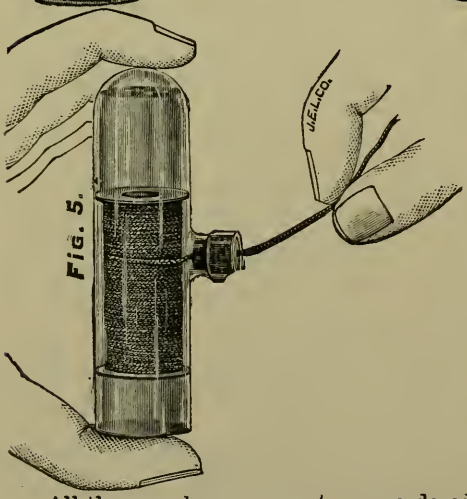


Fig. 5.

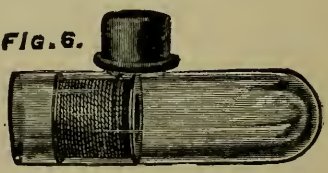


Fig. 6.

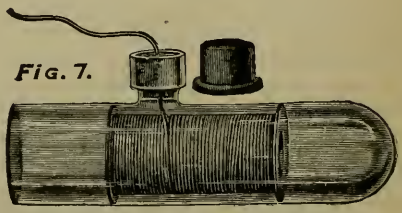


Fig. 7.

All these packages are put up as ordered containing, *Catgut*, *Braided Silk*, *Twisted Silk*, and *Cable Silk*; there being no difference in the price of ligature used to fill the various packages.

Fig. 3.	Lee's Vertical 3-spool Tube, complete	each	$0 50
Fig. 4.	Lee's 3-spool Tank Package, complete	each	75
Fig. 6.	Lee's No. 1 Small Tank Package, complete	each	30
Fig. 7.	Lee's No. 2 Medium Tank Package, complete	each	75
Fig. 5.	Lee's No. 3 Large Tank Package, complete		1 75

No. 2 Hospital Size, and No. 3 Extra Hospital Size.

DRESSINGS, PLASTERS, ETC.

CANDLES, Sulphur	doz.,	$1.75
COTTON, Best Quality, Absorbent—		
1 lb. package	lb.,	.40
½ lb. "	each,	.23
¼ lb. "	"	.13
1 oz. "	"	.07
Hospital Quality, 5 lb. lots	lb.,	.35
" " 25 lb. "	"	.32
" " 50 lb. "	"	.30
" " 100 lb. "	"	.28
Borated, 1 lb. package	"	.45
" ½ lb. "	each,	.30
" ¼ lb. "	"	.20
" 1 oz. "	"	.10
Carbolated, 1 lb. package	lb.,	.50
" ½ lb. "	each,	.30
" ¼ lb. "	"	.20
" 1 oz. "	"	.10
Cor. Sublimate, 1 lb. package	lb.,	.45
" ½ lb. "	each,	.30
" ¼ lb. "	"	.20
" 1 oz. "	"	.10
Dermatol, in oz. bottles	"	.20
Iodized, 1 oz. bottles	"	.20
Iodoform, ¼ lb. bottles	"	.50
" 1 oz. "	"	.20
Salicylated, 1 lb. packages	lb.,	.65
" ½ lb. "	each,	.40
" ¼ lb. "	"	.25
" 1 oz. "	"	.10
Sterilized, 1 lb. cartons	lb.,	.65
" ¼ lb. "	each,	.20
Styptic, 1 oz. bottles	"	.15
Cotton Wool, 1 lb. package	lb.,	.35
GAUZES, Antiseptic,		
Sterilized, Best Quality, 1 yard wide, 5 yards long, in can or jar	each,	.50
" " 1 " 5 " in carton	"	.40
Borated, 1 yard wide, 5 yards long, in can or jar	"	.55
" 1 " 25 " in carton	"	1.60
Carbolated, 1 yard wide, 5 yards long, in can or jar	"	.55
" 1 " 25 " in carton	"	1.60
Cyanide of Mercury and Zinc, 1 yard wide, 5 yards long, in jar	"	.75
Eucalyptol, 1 yard wide, 5 yards long, in jar	"	.75
Iodoform, 5 per cent, 1 yard wide, 5 yards long, in can or jar	"	.90
" 5 " 1 " 25 " in carton	"	4.00
" 10 " 1 " 5 " in can or jar	"	1.00
" 10 " 1 " 25 " in carton	"	4.75
Naphthaline, 1 yard wide, 5 yards long	"	.75
Sublimated, 1 " 5 " in can or jar	"	.55
" 1 " 25 " in carton		1.60

DRESSINGS, PLASTERS, ETC.

GUTTA PERCHA TISSUE, Heavy.....yard 50c; lb., $2.00
JUTE, Plain..... " .25
Tarred..... " .40
Bleached, Absorbent..... " .35
LINT, Absorbent, 1 oz. cartons..... " .75
" 1 lb. " ..... " .60
" Taylor's.....oz., 20c; " 1.50
MACINTOSH, Black Rubber Cloth.....yard, 1.25
Pink, Best Quality..... " 1.50
OAKUM.....lb., 18
50 bales..... " .12
OIL SILK, Plain, 28 inches, in box.....yard, .80
" 28 " " 5 yard rolls.....box, 3.60
Protective (Green), Listor's, 28 inch.....yard, 1.50
OIL MUSLIN, 36 inch..... " .60
OIL PAPER, Mead's, 24 inch, 2 yard rolls.....roll, .75
PEAT.....lb., .15
PLASTERS, Rubber, Adhesive, on strong cotton cloth, 12-in. wide, 5 yard roll, 1.25
Rubber, Adhesive, on moleskin, American, 7-in. wide, 1 yard roll..... " .50
" " " " 7 " 5 " " ..... " 2.50
" " " twilled linen, American, 7-in. wide, 1 yard roll..... .50
Rubber, Adhesive, on twilled linen, American, 7-in. wide, 5 yard roll..... 2.50
Court, 3 pieces, assorted colors in tablet 2x3 inch.....doz., .25
Isinglass, gold beater's skin, 6-inch wide, 1 yard roll.....roll, .30
" moleskin, 7-inch wide, 1 yard roll..... " .50
" muslin, ½ " 10 yards long.....spool, .20
" " 1 " 10 " ..... " .25
" " 8 " 1 " .....roll, .25
" " 11 " 5 " ..... " 1.50
" silk, white, flesh or black, 7-inch wide, 1 yard roll..... " .40
" tracing cloth, white, flesh or black, 7-inch wide, 1 yard roll.. " .30
Adhesive, Plain, U. S. P. (by heat), 1 yard rolls.....yard, .25
" " " " 5 " .....roll, 1.00
" on moleskin, best English, 1 yard rolls.....yard, .75
" on swansdown, English, 1 " ..... " .65
Rubber, Adhesive, on strong cotton cloth, ½-in. wide, 10 yd. spools...spool, .25
" " " " 1 " 10 " ... " .30
" " " " 1½ " 10 " ... " .40
" " " " 2 " 10 " ... " .50
" " " " 2½ " 10 " ... " .55
" " " " 3 " 10 " ... " .65
" " " " 7 " 1 yd. rolls.....roll, .25
" " " " 7 " 5 " ..... " 1.00
SOAP, Antiseptic, Boric Acid.....doz., 2.00
" Hydronapthol..... " 2.00
" Salicylic Acid..... " 2.00
" Tar..... " 1.75

DRESSINGS, PLASTERS, ETC.

SPONGES.

Surgeon's, Small	doz.,	$0.50
" Medium, Fig. 10472	"	1.00
" Large	"	1.50
" Extra Large	"	2.00
" Choice	"	3.00
" Very Choice	"	6.00
" Antiseptic, in bottles of 1 doz. each, Small	"	.75
" " " " " Medium	"	1.25
" " " " " Large	"	2.00
" Small, on Strings, 50 on String	string,	1.00
" Flat, Small	each,	.45
" " Large	"	.90
" " Extra Large	"	2.00
SPONGIO PILINE	yard,	5.00
WOOL, Lamb's, Absorbent, 1 lb. packages	lb.,	1.90
" " ½ "	"	2.00
" " ¼ "	"	2.00
Cotton, Bleached	"	.40
" Unbleached	"	.35
Paper, Plain	"	.25
Wood, Pine	"	.25

No. 1. Rubber Clipping Combs .....25c.

No. 2. English Horn Clipping Combs .....25c.

No. 3. Rubber Mane Combs .....25c.

COMBS.

Tail Combs, Horn, Enameled Handle	$0.60
" " Cherry, Plain	.40
" " Hard Rubber, Plain	.20
" " " " with Handle	.40
Mane " " " " "	.40
" " " "	.20
" " Cherry, Plain	.40
" " Horn, Enamel Handle	.60
Hair Shedders .....each,	.50

ROLLER BANDAGES.

These bandages are made from fine quality bleached muslin, washed and ironed. This muslin is finished and especially prepared for this purpose, after which it is thoroughly washed and purified, dried and ironed, and made into bandages. They are thus freed from impurities, and are soft and clean, and of nearly a pure white color. Bleached muslin, as it comes from the mills, contains many impurities, such as bleaching material, dressings, bluing, starch, etc. These are irritating to wounds, and bandages of this kind are unfit for use.

Width.	Length.		Prices.	Width.	Length.		Prices.
1 inch	1 yard	doz.,	$0.10	3 inches	4 yards	doz.,	$0.90
1½ "	3 "	"	.35	3 "	8 "	"	1.65
2 "	3 "	"	.45	3½ "	5 "	"	1.25
2 "	8 "	"	1.20	3½ "	8 "	"	1.80
2½ "	3 "	"	.55	4 "	6 "	"	1.65
2½ "	8 "	"	1.45	4 "	8 "	"	2.10

BANDAGES, Roller, unbleached muslin, good quality.

Width.	Length.		Prices.	Width.	Length.		Prices.
1 inch	1 yard	doz.,	$0.06	3 inches	4 yards	doz.,	$0.55
1 "	3 "	"	.15	3 "	8 "	"	1.20
1½ "	3 "	"	.21	3½ "	5 "	"	.90
2 "	3 "	"	.27	3½ "	8 "	"	1.40
2 "	8 "	"	.75	4 "	6 "	"	1.25
2½ "	3 "	"	.35	4 "	8 "	"	1.55
2½ "	8 "	"	1.00	Assorted in one-pound boxes, lb.,			.65

BANDAGES, Roller, best white or red flannel.

Width.	Length.		Prices.	Width.	Length.		Prices.
1½ inches	3 yards	doz.,	$1.25	2½ inches	8 yards	doz.,	$4.45
2 "	3 "	"	1.50	3 "	4 "	"	3.00
2½ "	3 "	"	1.85	3½ "	5 "	"	4.25

BANDAGES, Plaster Paris, ready for use.

Width.	Length.		Prices.	Width.	Length.		Prices.
2 inches	3 yards	doz.,	$0.70	2½ inches	6 yards	doz.,	$1.40
2 "	6 "	"	1.25	3 "	3 "	"	.90
2½ "	3 "	"	85	3 "	6 "	"	1.50

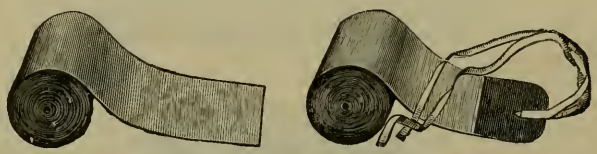


Fig. 10491. Rubber Bandages with Tapes.

NET PRICES TO PHYSICIANS.

BANDAGES, Rubber, manufactured from pure gum, medium thickness.

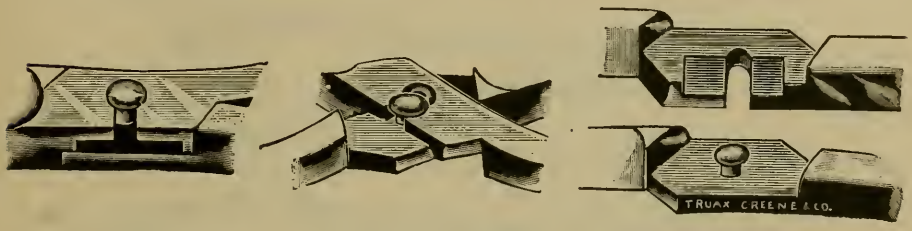
Width.	Length.		Prices.	Width.	Length.		Prices.
2 inches	6 feet	each,	$0.40	2½ inches	15 feet	each,	$1.05
2 "	9 "	"	.50	2½ "	18 "	"	1.20
2 "	10½ "	"	.60	3 "	9 "	"	.75
2 "	12 "	"	.70	3 "	10½ "	"	.90
2 "	15 "	"	.90	3 "	12 "	"	1.10
2½ "	9 "	"	.60	3 "	15 "	"	1.25
2½ "	10½ "	"	.75	3 "	18 "	"	1.50
2½ "	12 "	"	.90				

RUBBER BANDAGES, extra heavy, for Esmarch's Tourniquets.

3 inches wide by	10½	feet long, with tapes	each,	$1.50
3 "	15	" "	"	2.00

We are also prepared to furnish Rubber Bandages to order from 30 to 60 feet long, or very light or extra heavy ones for special purposes.

GENERAL OPERATING INSTRUMENT.



PATENT JOINT FOR FORCEPS AND SCISSORS.

There is perhaps no class of instruments more difficult to thoroughly cleanse than the ordinary forms of Forceps. Nearly all forms of Bone and Tooth Forceps have heretofore been constructed with closed joints, that not only afforded a safe deposit for disease germs, but furnished a good medium for conveying them from one patient to another. Our Patent joint is not only thoroughly aseptible, but it is as strong as the ordinary pattern. It may be unjointed in a second or two and as quickly put together. It combines all the necessary requisites in a perfect-working desirable instrument, and customers need have no hesitancy in ordering instruments constructed with our patent joint.

Fig. 10500. Liston's Straight Bone Forcep, Aseptible.....$2.00; without spring, $1.85

Fig. 10501. Liston's Curved Bone Forcep, Aseptible..... $2.25

Fig. 10503. Bone Forcep, angular bent, Aseptible..... $2.25

Fig. 10505. Satterlee's Bone Forcep, Aseptible..... $2 00

GENERAL OPERATING INSTRUMENTS.

Fig. 10520. Small Splinter Forcep, Aseptible..... $2.00

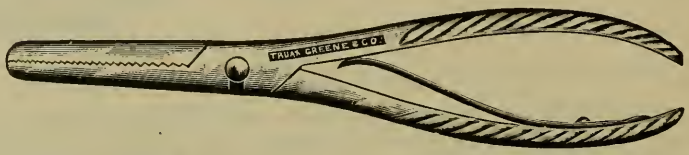


Fig. 10522. Heavy Splinter Forcep..... $3.00

Fig. 10523. Ferguson's Bone Holding Forcep, Aseptible..... $2.25

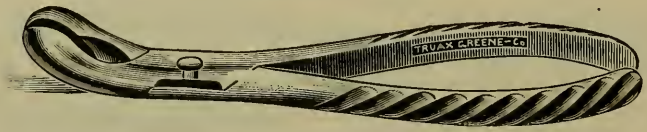


Fig. 10525. Luer's Curved Bone Gouging Forcep..... $2.50

Fig. 10526. Curved Sequestrum Forcep, Aseptible..... $1.85

Fig. 10528. Van Buren's Sequestrum Forcep, Aseptible..... $2.00

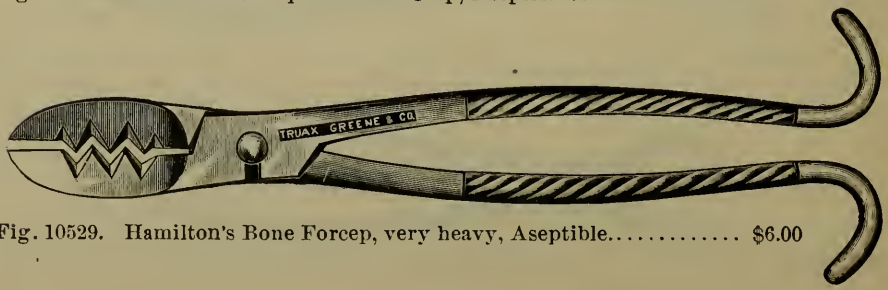


Fig. 10529. Hamilton's Bone Forcep, very heavy, Aseptible..... $6.00

GENERAL OPERATING INSTRUMENTS.

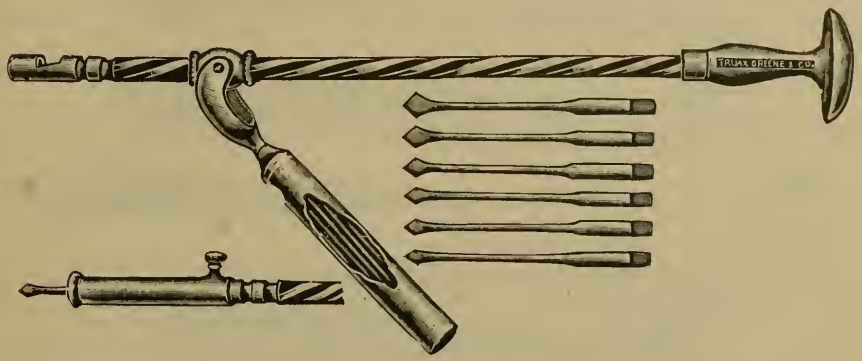


Fig. 10540. Hamilton's Bone Drills with guard, Aseptible..... $4.00
(Drills to be kept in the hollow handle.)

Fig. 10541. Langenbeck's Drills, all metal..... $4.50

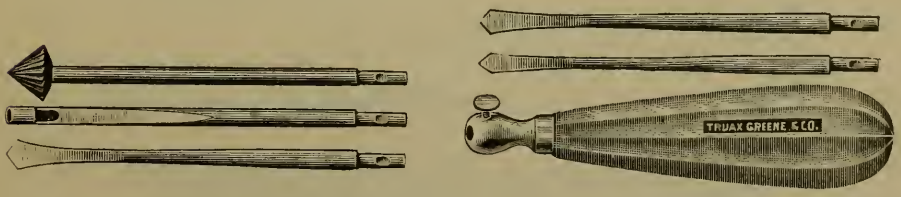


Fig. 10542. Brainard's Bone Drills, Aseptible..... $2.65

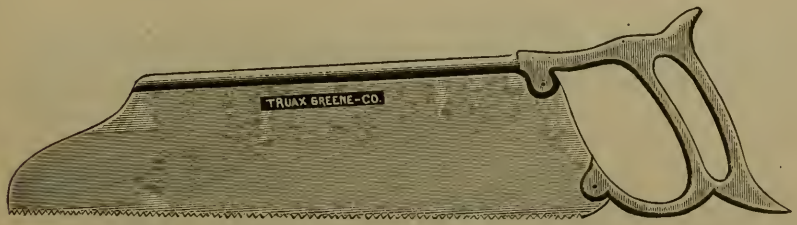


Fig. 10544. Parker's Capital Saw, all metal..... $3.00

GENERAL OPERATING INSTRUMENTS.

Fig. 10552. Hughes Quitter Curette $1.50

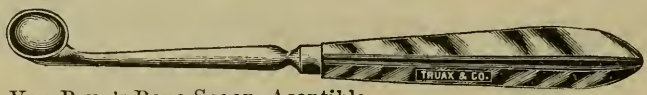


Fig. 10553. Von Brun's Bone Scoop, Aseptible $1.40

Fig. 10555. Siemon's Curette, Aseptible $1.25

Fig. 10556. Mathieu's Concave Raspatory, Aseptible..... $1.25

Fig. 10557. Plain Chisel..... 75c.

Fig. 10558. Gouge, for use with hand or mallet, Aseptible $1.10

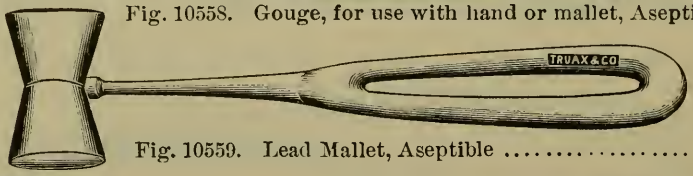


Fig. 10559. Lead Mallet, Aseptible $1.75

Fig. 10550. Schroder's Bone Scoop, Aseptible $1.90

Fig. 10578. Volkman's 4-prong Retractor $1.75

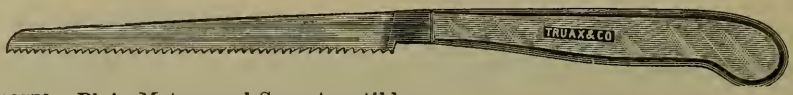


Fig. 10572. Plain Metacarpal Saw, Aseptible..... $1.25

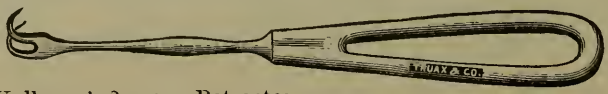


Fig. 10577. Volkman's 2-prong Retractor $1.75

GENERAL OPERATING INSTRUMENTS.

Fig. 10590. Scalpel, 3 sizes ..... each, $0.75

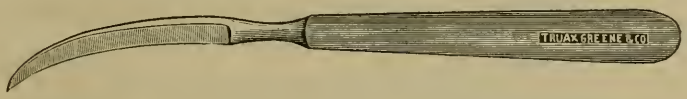


Fig. 10591. Sharp Curved Bistoury..... $0.75

Fig. 10593. Probe Curved Bistoury..... $0.75

Fig. 10595. Tenotome..... $0.75

Fig. 10596. Miles' Castrating Knife..... $0.75

Fig. 10597. Double Edge Hoof Knife..... $0.75

Fig. 10598. Tenaculum..... $0.75

Fig. 10599. Cartilage Knife..... $1.50

Fig. 10600. Virchow's Cartilage Knife, convex blade..... $1.75

Fig. 10601. Virchow's Cartilage Knife, center point..... $1.75

GENERAL OPERATING INSTRUMENTS.

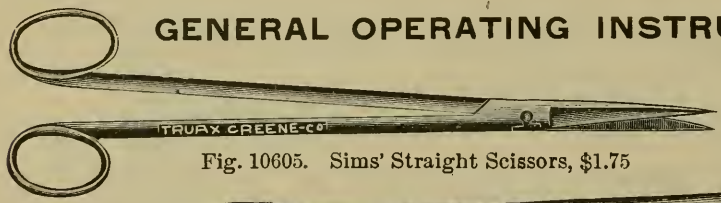


Fig. 10605. Sims' Straight Scissors, $1.75

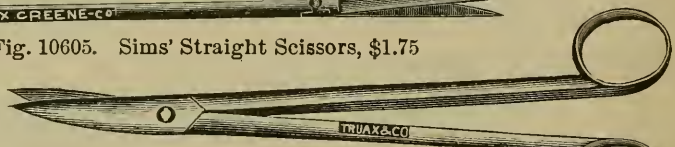


Fig. 10606. Sim's Sharp Point Curved Scissors, $2.00

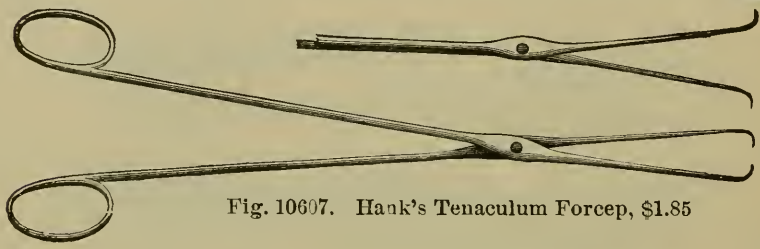


Fig. 10607. Hank's Tenaculum Forcep, $1.85

Fig. 10608. Byford's Dressing Forcep, $1.35

Fig. 10610. Emmet's Twisting Forcep, $2.25

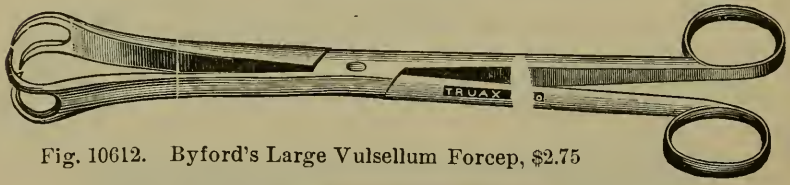


Fig. 10612. Byford's Large Vulsellum Forcep, $2.75

Fig. 10614. Plain Tissue Forcep, $1.50

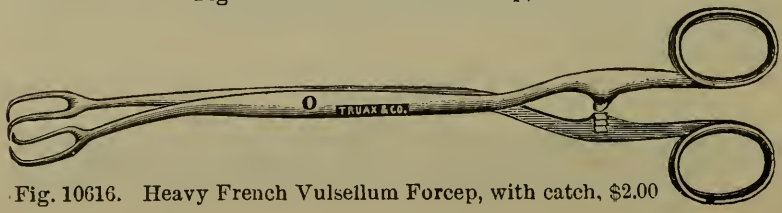


Fig. 10616. Heavy French Vulsellum Forcep, with catch, $2.00

GENERAL OPERATING INSTRUMENTS.

Fig. 10620. Elevator and Raspatory, Aseptible.....$1.00

Fig. 10622. Sayre's Periosteotome, Aseptible.....$1.50

Fig. 10624. Tuthill's Neurotomy Knife.....$1.50

Fig. 10626. Prof. Hughes' Neurotomy Needle.....$1.25

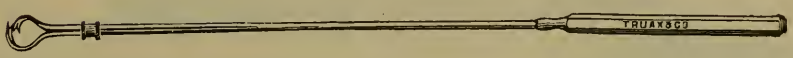


Fig. 10628. Sim's Sponge Holder.....50c.

Fig. 10630. Emmet's Sponge Holder.....50c.

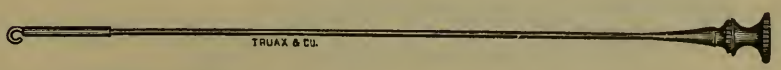


Fig. 10632. Exploring Trocar.....90c.

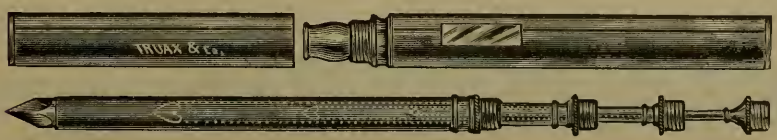


Fig. 10634. Nested Tocars.....$3.50

GENERAL OPERATING INSTRUMENTS.

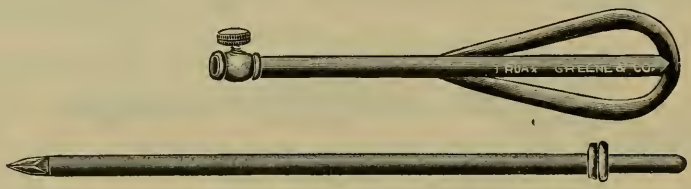


Fig. 10640. Fash's Horse Trocar, Reversible $1.50

Fig. 10642. Fitch's Horse Trocar..... $1.50

Fig. 10644. Cattle Trocar..... $1.50

Fig. 10647. Sheep Trocar..... $1.50

Fig. 10648. Reversible Trocar..... $1.50

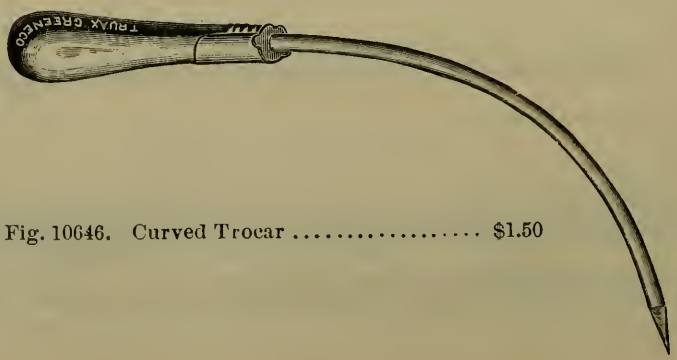


Fig. 10646. Curved Trocar $1.50

SYRINGES.

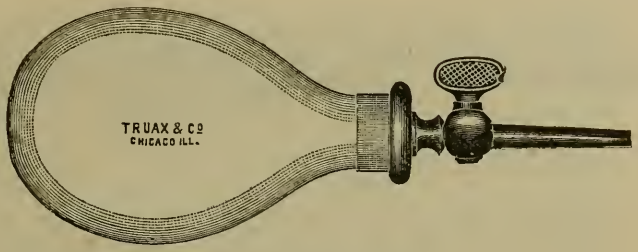


Fig. 10650. Van Buren's Syringe, for cleaning cavities..... $1.75

Fig. 10652. Fistula Syringe, hard rubber, 2 oz., 2 pipes..... $1.50

Fig. 10654. Brass Injection Syringe, 20 oz..... $5.00

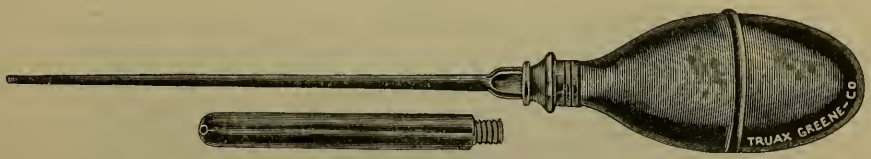


Fig. 10655. Quittor Syringe, with hard rubber pipes..... $1.50

Fig. 10657. Metal Injection Syringe.....24 oz., $2.00; 36 oz., $2.25

Fig. 10659. Hard Rubber Injection Syringe, 24 oz..... ..... $3.00

SYRINGES.

Fig. 10670. Hard Rubber Syringe, 1 oz., each, 55c.; 2 oz., each, 65c.; 3 oz., each, 80c.; 4 oz., each, 90c.; 6 oz.....each, $1.10

Fig. 10672. Long Pipe Uterine Syringe, 1½ oz.....each, $1.00

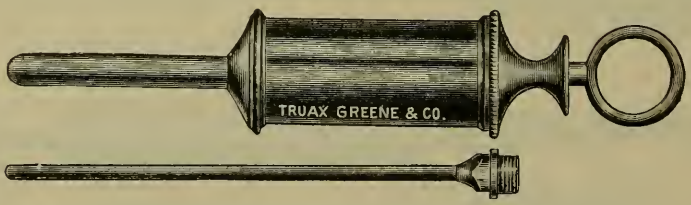


Fig. 10674. Metal Syringe, 2 oz..... $2.25

Fig. 10675. Metal Syringes, 1 oz., dozen, $1 90; 2 oz., dozen, $2.25; 4 oz., dozen, $3.00; 8 oz., dozen, $5.25; 16 oz..... .....dozen, $9.00

Fig. 10677. Straight Medicine Droppers.....dozen, $0.35

Fig. 10678. Bent Medicine Droppers.....dozen, $0.35

HYPODERMIC SYRINGES.

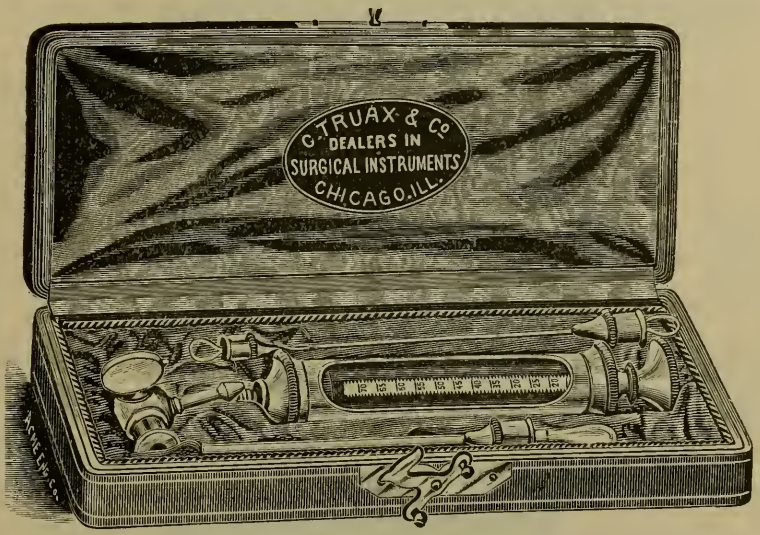


Fig. 10690. Hypodermic Syringe, No. 13, with stop-cock $2.25

This is an aspirating hypodermic that can be used as an ordinary hypodermic. It is provided with an aspirating stop-cock that can be attached between the needle and the syringe, so that it is not necessary to either withdraw the needle or unscrew the syringe to expel the aspirated contents.

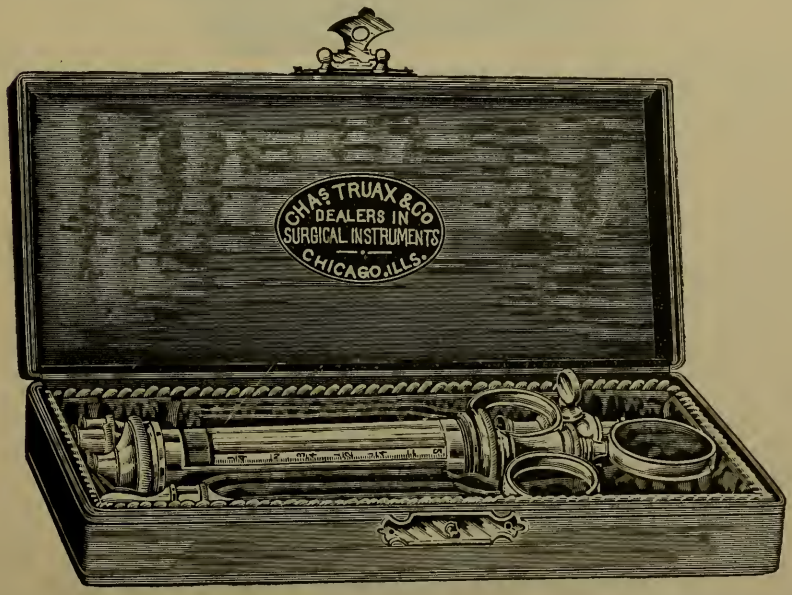


Fig. 10692. Hypodermic Syringe, No. 14 ..... $3.00

This syringe, owing to its large size, is much used as an aspirator. It is similar to our No. 13, except that it is much larger and has ring handles.

HYPODERMIC SYRINGES.

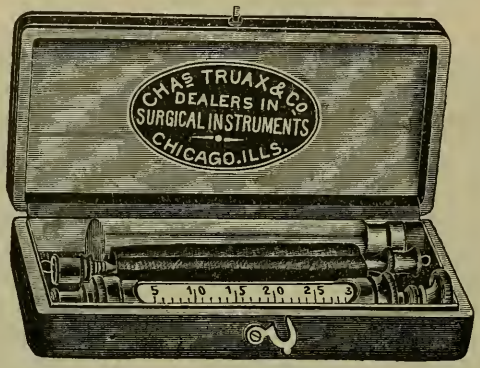


Fig. 10693. Hypodermic Syringe, No. 4, $2.50; small size..... $1.50

This Syringe has graduated glass barrel, fenestrated metal guard, end of barrel removable for introduction of hypodermic tablets, two steel needles with wire and bottle in morocco case. It is of good quality and will give satisfaction.

Fig. 10695. Hypodermic Syringe, small size, No. 6..... $1.00

A fair quality Syringe, with hard rubber attachments.

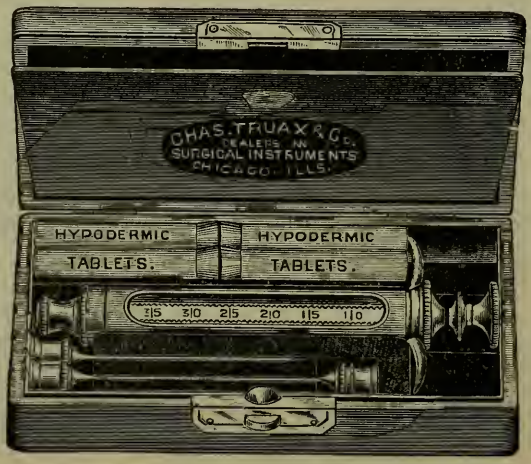


Fig. 10697. Hypodermic Syringe, No. 9, small size, $2.75; with Platina Needles, $5.25

This Syringe contains four bottles of hypodermic tablets.

HYPODERMIC SYRINGES AND NEEDLES.

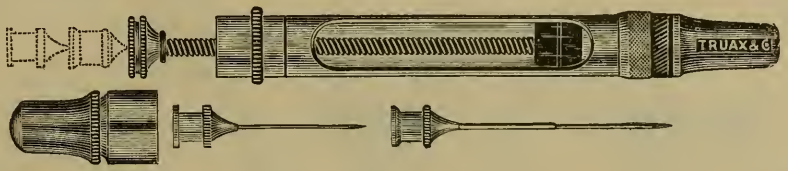


Fig. 10700. Hypodermic Syringe, small size, No. 36 ..... $2.00

This is a double fenestrated syringe, provided with caps, so that it can be carried either in a pocket case or in the vest pocket.

Fig. 10701. Hypodermic Needle.

Fig. 10702. Hypodermic Needle, extra long.

Hypodermic Needles, best steel, nickel plated, Fig. 10701 .... 35c.
" " " extra long, Fig. 10702..... ..... 40c.

We are prepared to furnish needles to fit all styles and makes of hypodermic syringes.

Fig. 10704.

Hypodermic Needle, best steel, for aspirating, Fig. 10704 ..... 75c.

Fig. 10706.

Hypodermic Trocar, Fig. 10706 .... 75c.
Wire, for Needles, per bunch..... 5c.

HYPODERMIC SYRINGE REPAIRING.

We make a specialty of repairing hypodermic syringes, and as we often receive several in one mail, we ask that physicians attach their prescription blank or label to them, in order that we may know from whom we receive them. If a portion of the syringe is to be replaced, send us the entire syringe, so we can obtain a perfect fit.

POTAIN'S ASPIRATOR.

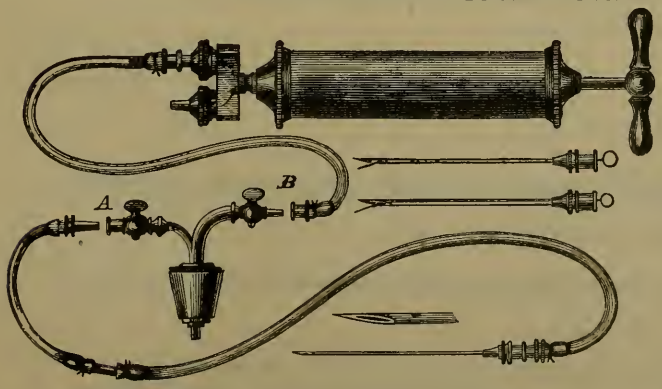


Fig. 10708. Potain's Aspirator, $9.00

This Aspirator is supplied with three needles of different sizes, is nickel plated and put up in a neat leather case. It has two automatic metal valves, one the reverse of the other, which enable the operator to quickly change it from an exhaust to a force pump, thus converting it into an injector. The valves are brass, easily cleaned, and are not injured by coming in contact with liquids, and as the fluid passes only through the needle, long pipe and stop-cock, the instrument is easily cleaned.

ASPIRATORS.

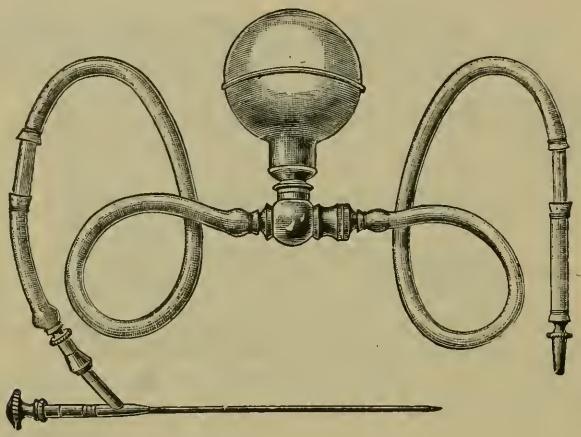


Fig. 10715. Lentz & Son's Aspirator.....$6.50

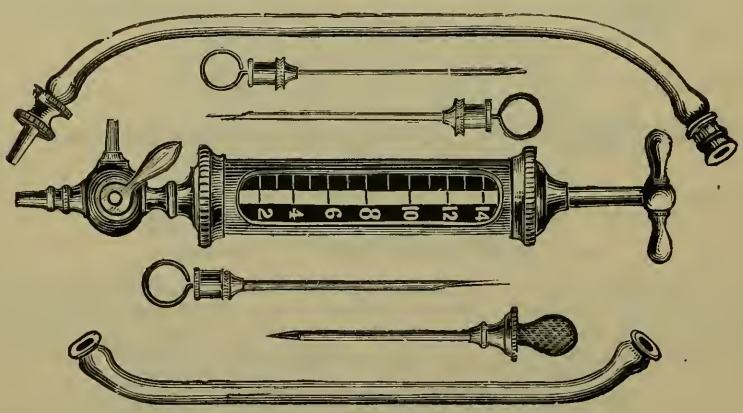


Fig. 10718. Peaslee's Aspirator (large).....$10.00

Fig. 10719. Aspirating Needle, No. 1.....75c.

Fig. 10720. Aspirating Needle No. 2.....75c.

Fig. 10721. Aspirating Needle, No. 3.....75c.

Fig. 10722. Aspirating Trocar.....$1.25

BULLET INSTRUMENTS.

Fig. 10730. Jones' Shot and Bullet Extractor $3.00

Fig. 10732. Gross' Bullet Forceps $1.75

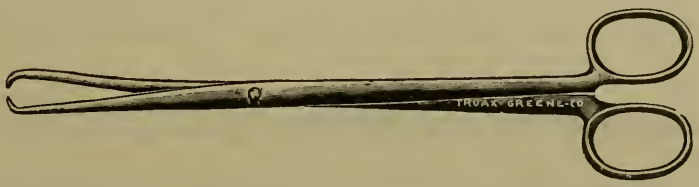


Fig. 10734. American Bullet Forceps $1.50

Fig. 10736. U. S. A. Bullet Forceps $1.50

Fig. 10738. Flexible Bullet Forceps $4.50

Fig. 10739. Elastic Bullet Probe, Porcelain Head $0.75

DIAGNOSTIC INSTRUMENTS.

THERMOMETERS.

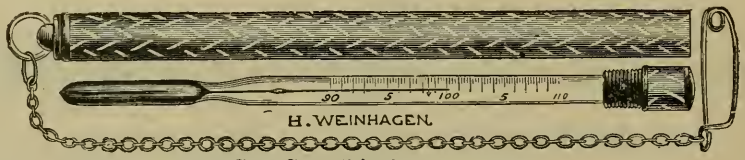


Fig. 10750. Thermometer in Gilt Case, 5-inch..... $1.50
" " " " 6 " 1.75

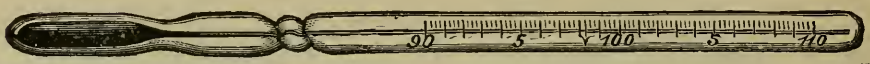


Fig. 10752. No. 1. Plain Self-Registering Thermometer, 5-inch..... $0.75
This is a good thermometer, warranted, but is not re-tested.

Fig. 10753. No. 4. Truax, Greene & Co.'s Self-Registering Thermometer, re-tested, 5-inch..... $1.00
This thermometer not only possesses all the advantages of a self-registering instrument, but is so constructed as to form a new index every time it is used, thus avoiding all danger of accidental loss of register. This enables us to fully guarantee this thermometer not only to be accurate, but to retain its register indefinitely. Imperfect ones will be exchanged free of charge.

Fig. 10755. No. 5. Truax, Greene & Co.'s Magnifying Index Thermometer, 5-in. $1.25
This thermometer is exactly like our No. 4, except that it has a magnifying index. They are all re-tested and guaranteed accurate.

Fig. 10759. Thermometer in Metal Case..... $1.50

Fig. 10760. Flint's Pleximeter. $0.25

Fig. 10764. Flint's Hammer, Hard Rubber Handle..... $0.50

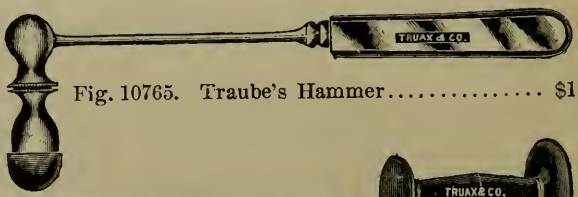


Fig. 10765. Traube's Hammer..... $1.50

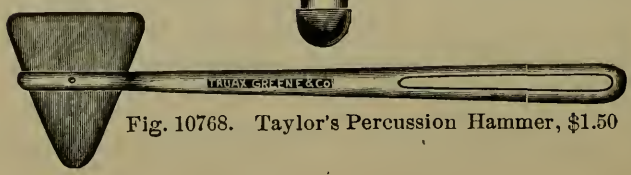


Fig. 10768. Taylor's Percussion Hammer, $1.50

Fig. 10762. Struck's Pleximeter, $0.35

DIAGNOSTIC INSTRUMENTS.

STETHOSCOPES.

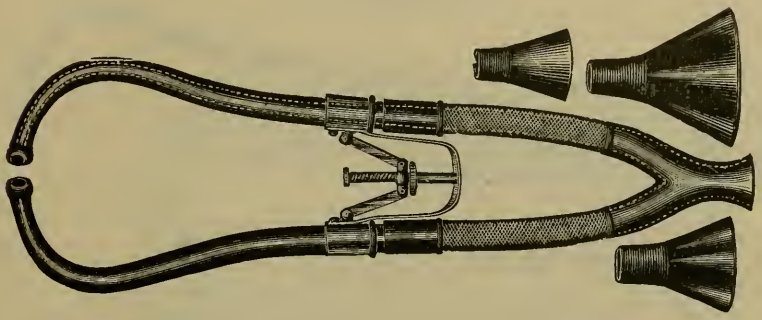


Fig. 10780. Dennison's Stethoscope $4.00

This Stethoscope is the invention of Chas. Dennison, A. M., M. D., of Denver, Colo., and is the result of several years of careful research and experiments. Its advantages consist in the non-metallic quality of the sounds transmitted; its power of concentrating as well as conducting the waves of sound; the improved shape of the ear pieces and the bell endings, and its use in stethoscopic percussion. The arms and joints are made of hard rubber, thus avoiding the perversion of the natural sounds and elevation of the pitch, as is the case where metal tubes are used. So much care is exercised in this particular, that even the spiral lining wires of the flexible tubes are carefully laid between thin tubes of soft rubber, and the two then vulcanized together. All the parts of this instrument are conical, so they form a gradually decreasing channel from the bell endings to the ear, as is shown by the dotted lines in Fig. 10780. This gives to the instrument the power of concentrating the waves of sound as well as that of transmitting them. In addition to the two bell endings that accompany most stethoscopes, it is provided with two additional ones, one of soft rubber and intended to use on uneven surfaces, as in emaciated patients, and the other for use in stethoscopic percussion. This bell is three inches in diameter, and for this use is held by the patient about three inches in front of his open mouth while the examiner makes forcible percussion (chiefly during expiration), thus obtaining the "cracked metal" and hollow sounds diagnostic of bronchial dilations, and cavities connected with the bronchial tract. The certainty with which these can be traced and mapped out by this means is astonishing to those who have never tried this method. We have no hesitancy in recommending this instrument to those who value a stethoscope for its real merits, as an aid in obtaining accurate results in chest examinations, and not for the outward scientific show so often made use of with these instruments as advertising mediums.

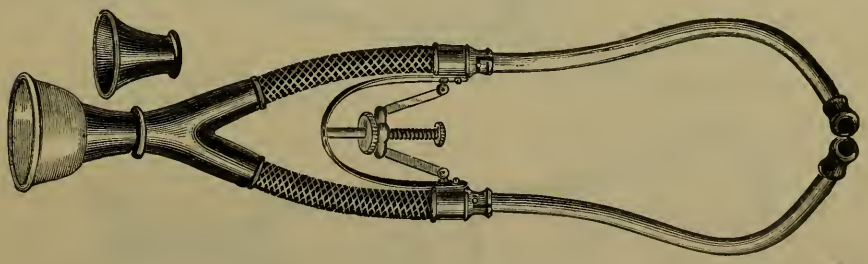


Fig. 10782. Bartlett's (Chicago) "Lænec" Stethoscope $4.00

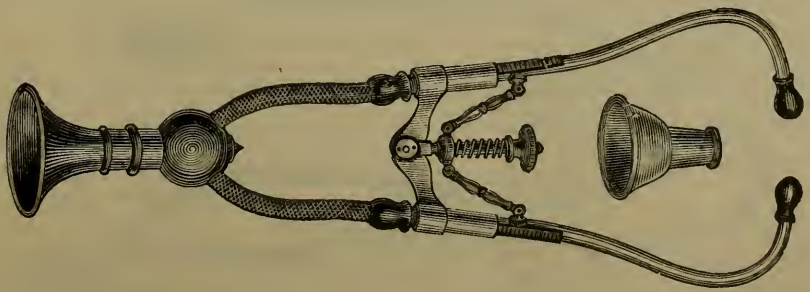


Fig. 10783. Knight's Stethoscope $3.50

DIAGNOSTIC INSTRUMENTS.

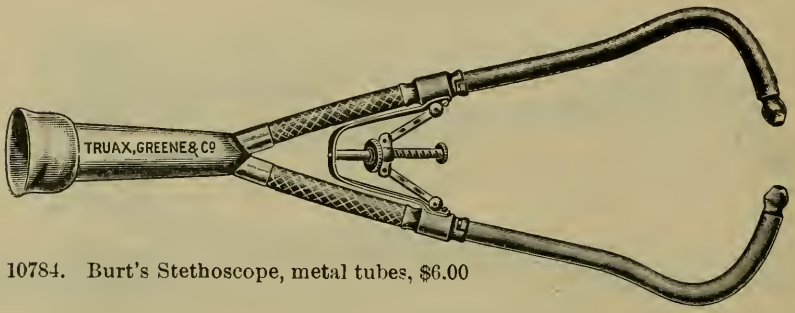


Fig. 10784. Burt's Stethoscope, metal tubes, $6.00

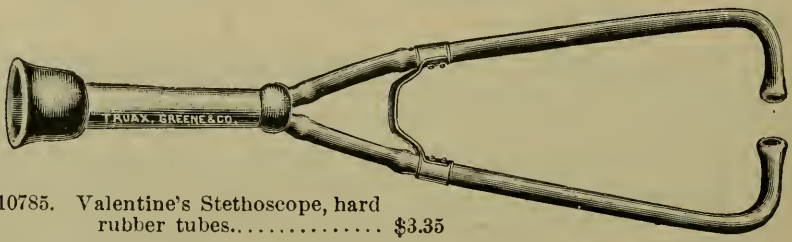


Fig. 10785. Valentine's Stethoscope, hard rubber tubes..... $3.35

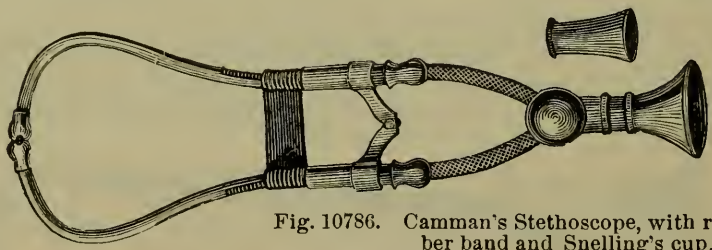


Fig. 10786. Camman's Stethoscope, with rubber band and Snelling's cup.... $1.35

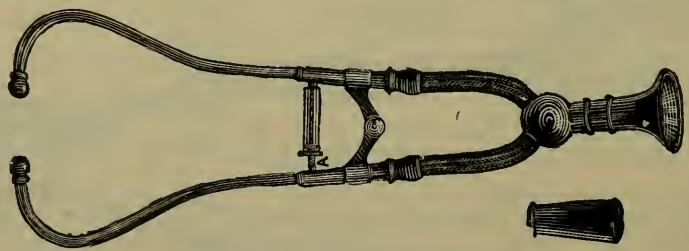


Fig. 10787. Camman's Stethoscope, set screw, soft rubber cup..... $2.25

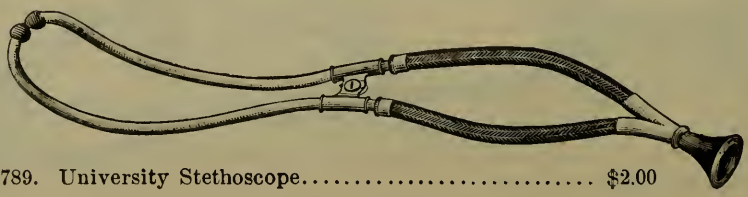


Fig. 10789. University Stethoscope..... $2.00

DIAGNOSTIC INSTRUMENTS.

URINARY.

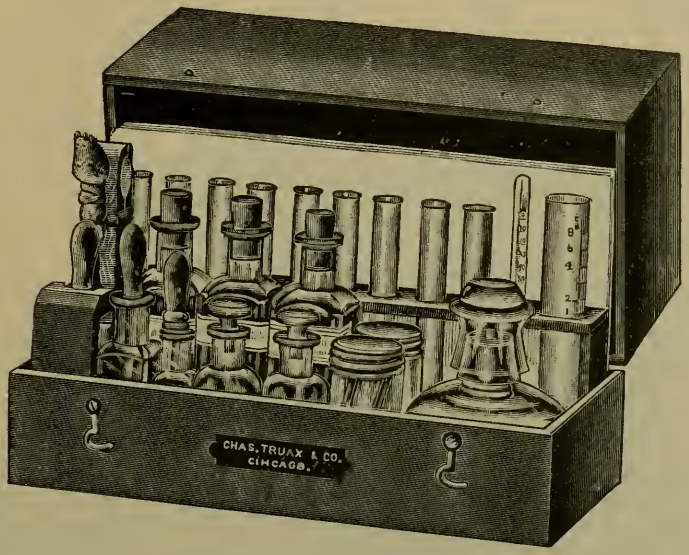


Fig. 10790. Prof. S. A. McWilliams' Urine Test Case.

Price $4.00

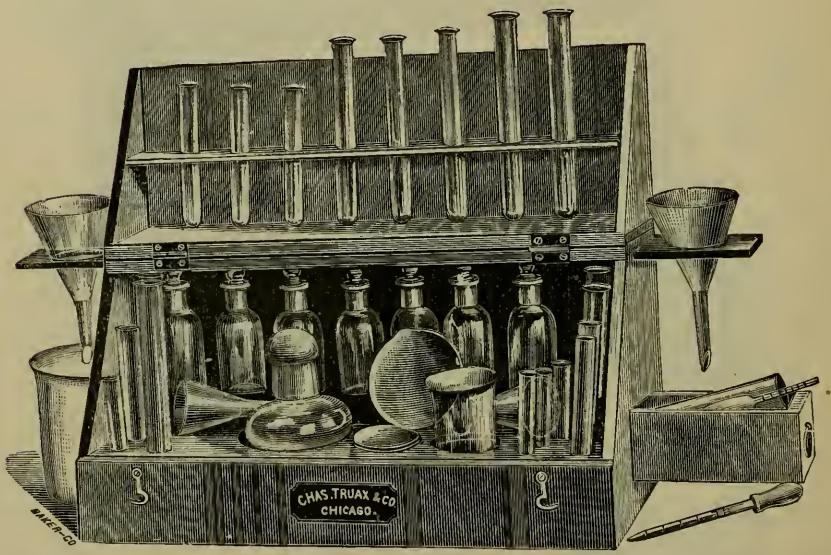
This case contains:

1 3-oz. lamp with wick and alcohol.
1 good urinometer.
1 urinometer jar with lip and graduated. Size $5\frac{1}{2}$x$1\frac{3}{8}$ inches.
10 test tubes, size $5\frac{1}{2}$x$\frac{7}{16}$ inches.
1 test tube holder.
1 stick wrapped with cotton, for cleaning tubes.
1 fine pointed nipple pipette for dropping nitric acid into test tubes when examining for albumen.
1 fine-pointed cubic centimeter pipette, longer than above, to suck up urine for sugar examination.
1 bottle nitric acid (this should not be kept in the box as the fumes will spoil contents).
1 bottle with funnel for filtering cloudy urine.
1 bottle of sodio-potassic solution for Fehling's test.
1 jar of litmus paper— red and blue.
1 jar of matches.
1 bottle of cupric sulphate solution for Fehling's test (the solution keeps best in separate bottles—mix in equal quantities in test tube when used).
1 bottle for bi-chloride water, into which place nipple pipette after using with nitric acid.
1 bottle for bi-chloride water, into which place long pipette after using with urine, until ready to clean.
1 strip of paper, marked 1, 2, 3, etc., in order to facilitate the record of persons' urine when allowed to stand in tubes, as No. 2, Mr. Jones.
1 tablet of paper, $9\frac{1}{2}$x$5\frac{3}{4}$ inches by $\frac{1}{4}$ inch thick, for taking notes of examinations.
1 urinary analysis guide book.
1 glass stirring rod.
1 lead pencil with eraser.
12 filter papers.

This case presents a good combination in consideration of the price. Customers ordering it will be agreeably surprised at its convenience in making ordinary examinations.

DIAGNOSTIC INSTRUMENTS.

URINARY.



Truax, Greene & Co.'s Original Urine Test Case.

Fig. 10794. Price of case, with bottles all filled, net..... ..... $6.00

This case is made of hardwood, finely polished, and is constructed on a new principle which possesses many advantages. The upper part, which forms the test tube rack when in use, can be closed down and fastened; the hollow slats holding the funnel slide into the case; the drawer can be returned to its socket, thus forming a neat, compact box, that guards its contents from breakage and protects them from the injurious effects of dust, light and air, so that the contents may be kept clean and always ready for use. It contains eight re-agent bottles, two glass funnels, alcohol lamp, two beakers, porcelain evaporating dish, two small glass evaporating dishes, fourteen test tubes (assorted sizes), test tube holder, urinometer, graduated pipette, filter, litmus paper and one book on Urinary Analysis. Two of the re-agent bottles contain the two solutions now used in making Fehling's Test; one a solution of Sodio-Potassic Tartrate, the other a solution of Cupric Sulphate, both so adjusted that, with the directions that accompany the case, a physician may easily make both a qualitative and a quantitative analysis for glucose, thus enabling the practitioner not only to detect sugar in suspected cases, but to make comparative tests, from time to time, in known cases of diabetes. They are always ready for use, and will keep for any length of time.

DIAGNOSTIC INSTRUMENTS.

MISCELLANEOUS.

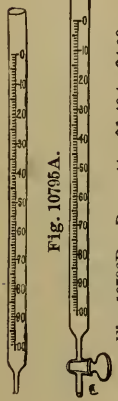
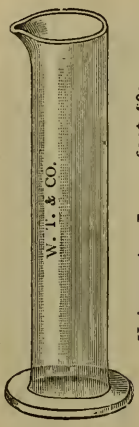


Fig. 10795A.

Fig. 10796B. Burretts, $1.40 to $4.00.



Urinometer Jar on foot, 50c.

Fig. 10796C.

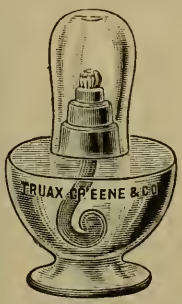


Fig. 10797. Alcohol Lamp, 25c. to 35c.

Fig. 10798. Chemical Flasks. 18c. to 85c.

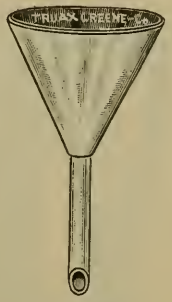


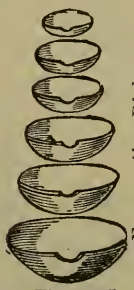
Fig. 10799. Glass Funnels. 10c. to 45c.

Fig. 10804. Bunsen Burners, 50c.

Fig. 10805. Acid Bottle, 50c.

Test Tube on foot, 15c.

Fig. 10800.



Evaporating Dishes. 20c. to $1.25

Fig. 10807.

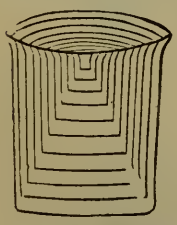


Fig. 10802. Beakers, 10c. to 25c.

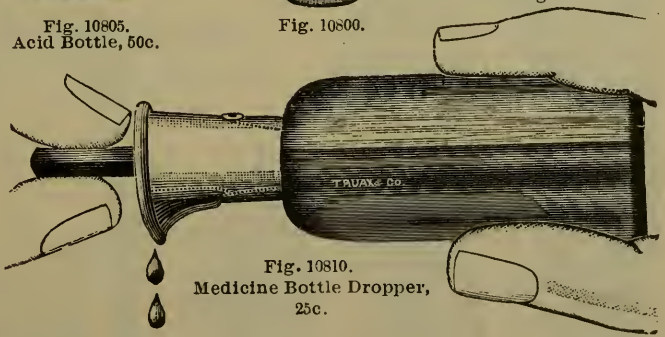


Fig. 10810. Medicine Bottle Dropper, 25c.

Fig. 10812. Test Tube Holder, 25c

Fig. 10814. Straight Medicine Droppers, doz., 35c.

Fig. 10816. Bent Medicine Droppers, doz., 35c.

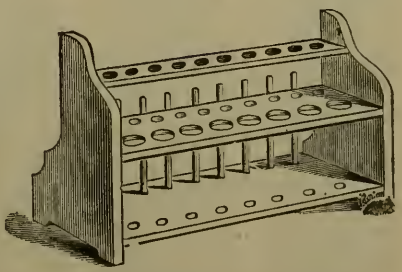


Fig. 10818. Test Tube Rack, 65c.

DIAGNOSTIC INSTRUMENTS—MISCELLANEOUS.

URINARY.

Fig. 10830. Conical Test, Glass, 25c.

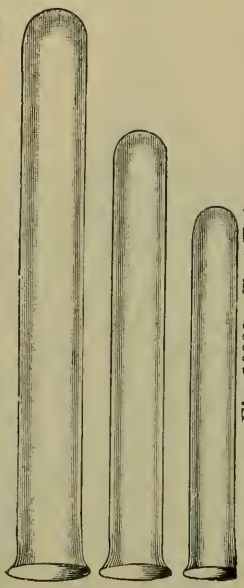


Fig. 10832. Test Tubes. 3-inch, dozen, 20c.; 5-inch, dozen, 30c.; 6-inch, dozen 35c.

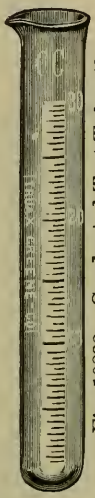


Fig. 10833. Graduated Test Tube, 40c.

Fig. 10835. Esbach's Albuminometer, in box, with directions, $1.00.

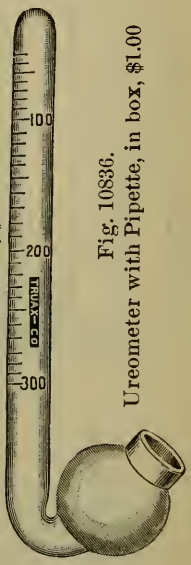


Fig. 10836. Ureometer with Pipette, in box, $1.00

Fig. 10834. Graduated Pipette, 25c.

Fig. 10838. Best Urinometer, 75c.

Fig. 10840. Squibbs' Pattern Urinometer, 75c.

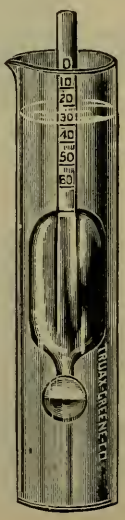


Fig. 10842. Plain Urinometer, 40c.

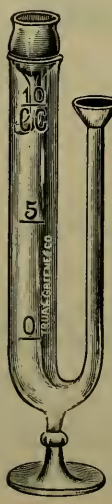


Fig. 10843. Zuegler's Uroscope, $1.25.

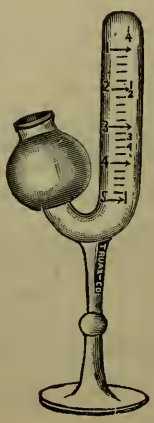


Fig. 10845. Einhorn's Saccharometer, with directions, $1.00. (Two Saccharometers and Pipette, in box, $2.00.)

BLEEDING INSTRUMENTS.

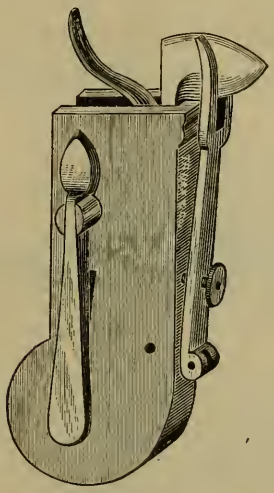


Fig. 10864. Guarded Spring Lancet, $2.25

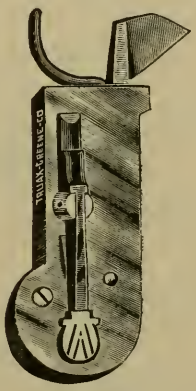


Fig. 10866. Plain Spring Lancet, $1.75

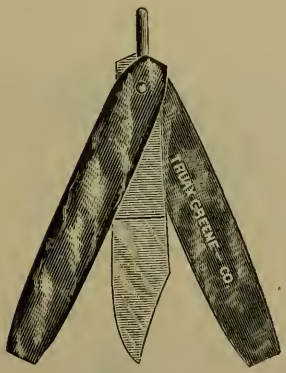


Fig. 10867. Abscess Lance.....75c.

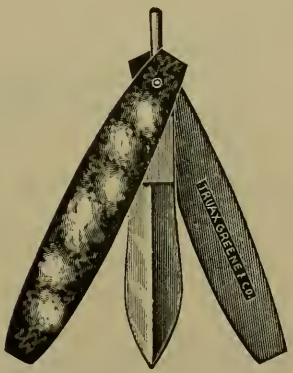


Fig. 10869. Plain Lance .....75c.

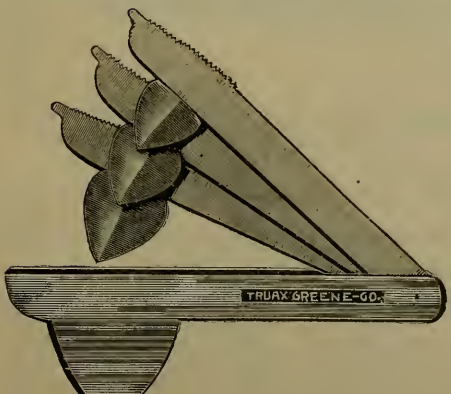


Fig. 10860. Fleams, Berlin Model, fine quality. 1-blade, $1.00; 2-blade, $1.25; 3-blade...$1.50

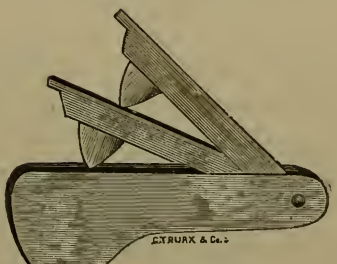


Fig. 10862. Fleams, ordinary quality. 1-blade, 60c.; 2-blade, 65c.; 3-blade, 75c.

CASTRATING AND SPAYING INSTRUMENTS.

Fig. 10880. Miles' Ecraseur.....$9.00

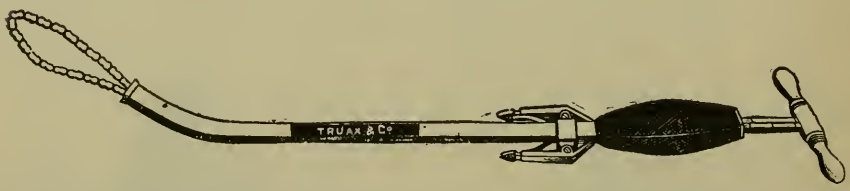


Fig. 10882. Chassaignac's large Chain Ecraseur. Straight, $12.50; curved.....$13.50

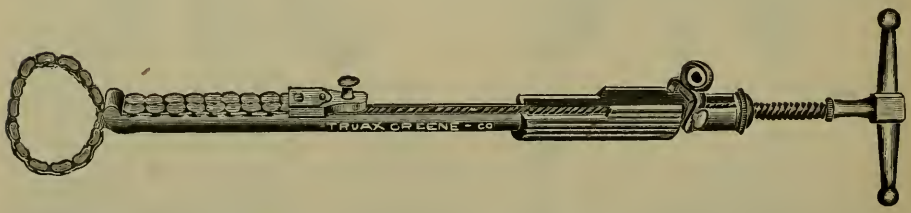


Fig. 10884. Patent Ecraseur.....$15 00

The advantages of an Ecraseur that would permit the operator to take in or pay out "the slack" of the chain has long been appreciated by veterinary surgeons. Many plans have been suggested, and while some have answered fairly well, none have proved as effectual and desirable as the one shown in the above illustration. After securing the chain in the sliding block the operator by pulling on the handle may draw the loop as tightly around the parts as can be done without screw power. By throwing forward the little lever shown on the upper side of the instrument, the screw becomes at once engaged and the operation concluded as with a plain Ecraseur.

CASTRATING AND SPAYING INSTRUMENTS.

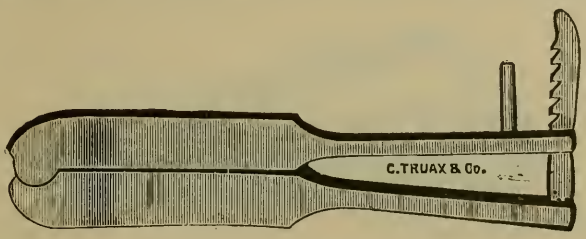


Fig. 10892. Rachet Castrating Clamp $4.75

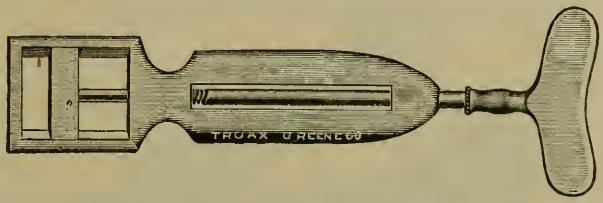


Fig. 10894. Berlin Castrating Clamp..... $7.00

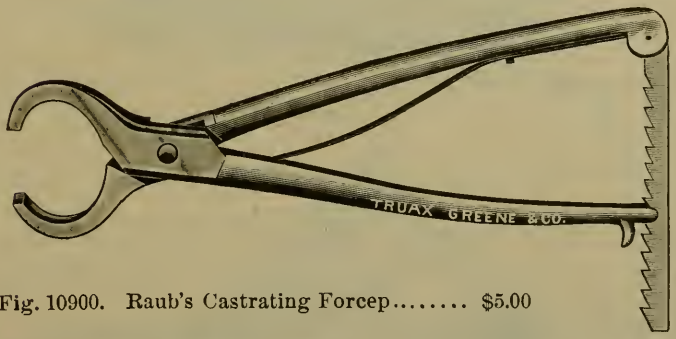


Fig. 10900. Raub's Castrating Forcep..... $5.00

PATENT APPLIED FOR.

Fig. 10890. Fash's Emasculator..... $10.00

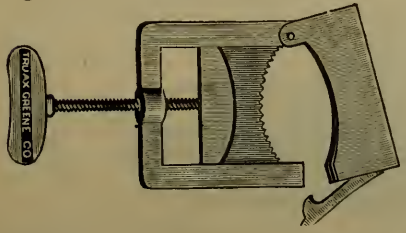


Fig. 10896. House's Castrating Clamp, $6.50

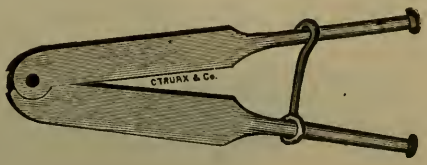


Fig. 10898.
Plain Castrating Clamp, $4.00

CASTRATING AND SPAYING INSTRUMENTS.

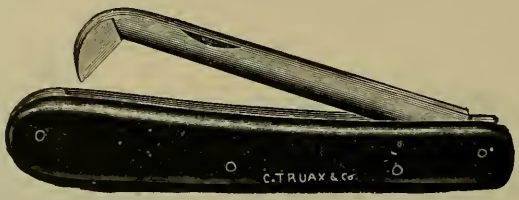


Fig. 10904. Miles' Castrating Knife..... $1.50

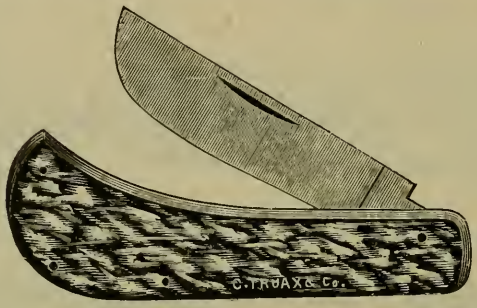


Fig. 10905. Plain Castrating Knife..... $1.25

Fig. 10908. Miles' and Plain Castrating Knife..... $2.25

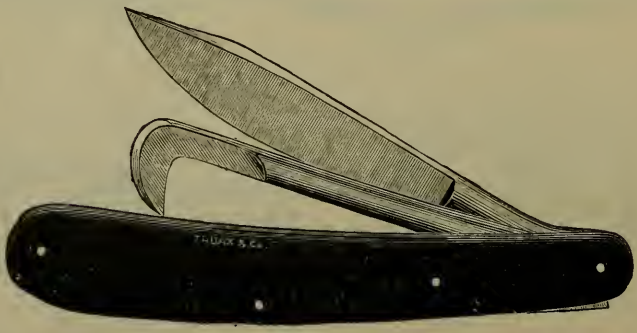


Fig. 10902. Scalpel and Castrating Knife..... $2.25

CASTRATING AND SPAYING INSTRUMENTS.

Fig. 10925. Plain Spaying Needles.....25c.

Fig. 10927. Miles' Spaying Needles.....75c.

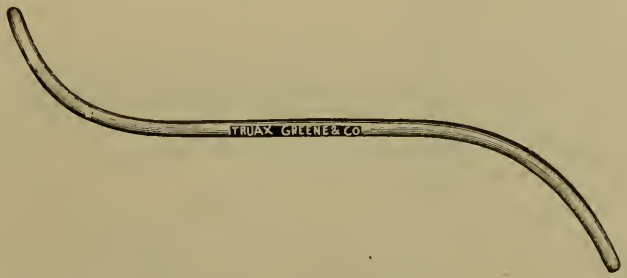


Fig. 10928. Miles' Spaying Sound.....75c.

Fig. 10920. Small Wire Ecraseur.....$3.00

Fig. 10922. Miles' Spaying Scissors.....$6.00

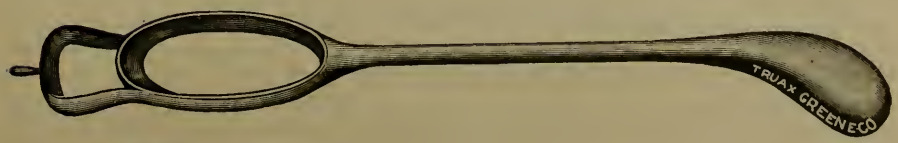


Fig. 10924. Williams' Spaying Speculum.....$7.00

CAPONIZING INSTRUMENTS.

The art of caponizing seems to be very little known in this country. The operation, however, is quite simple, and in France and Italy is frequently allotted to mere children.

This set is especially invented to enable farmers and poulterers to do their own caponizing.

The advantages of capons are, much larger fowls, sweeter and finer meat, and will pay 100 per cent. more than ordinary fowls. They will rear and care for many more young chicks from an incubator or hen than a hen will, on account of their large size. They like the young chicks' company, neither hens nor cocks having any use for them. The hen, after bringing out a brood, feed her for a few days, then let her run with the flock and she will lay again.

No farmer who raises poultry can afford to be without this set.

This set consists of one fine steel knife and forceps; one nickel-plated spreader, both well adapted for the purpose; improved German silver cutting and twisting scoop, with fine hook on opposite end; one fine German silver probe, and four German silver hooks attached to cords for quickly securing the fowl; all in a fine velvet-lined case, with twenty-five cent book, PRACTICAL CAPONIZING AND HOW TO MAKE POULTRY PAY.

Sent by mail, on receipt of price..... $3.00 net.

This little instrument is for marking young and old chickens and all kinds of fowl. It is invaluable to Breeders and Farmers. The markings will enable them to recognize their fowl at a glance, either with or without their feathers. If you have fowls stolen you need no better proof than your own private marking, which need not be known to anyone but yourself, keeping a register as follows:

Invented September 5th, 1886.

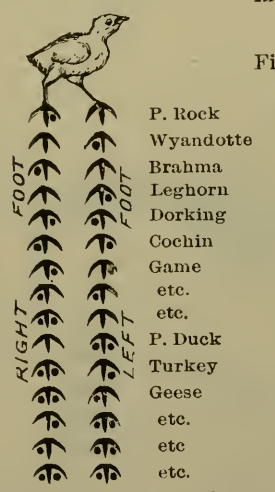
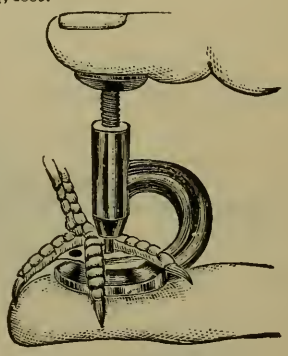


Fig. 10930.



SIZES.

Large. Small.

These fifteen figures can be made into 225 different ways of marking. This can be increased by marking the skin of the wing. It is a great advantage for young chicks. The eggs are marked from the different breeds, and as soon as the chicks are hatched they are marked with the punch; by so doing you can tell their age, and every detail in regard to them. This punch is worth its price several times over in detecting the chicken thief. The cut shows full size. They are made in two sizes, for large and small chicks, nickel-plated, have steel cutter and spring, and are made small and neat to carry in the vest pocket. Sent by mail, on receipt of price, 25 cents each.

CAPONIZING INSTRUMENTS.

Fig. 10931. Miles' Caponizing Knife.....$0.50

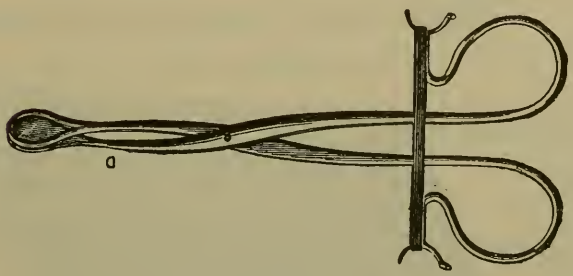


Fig. 10932. Miles' Caponizing Spoon Forcep.....$3.00

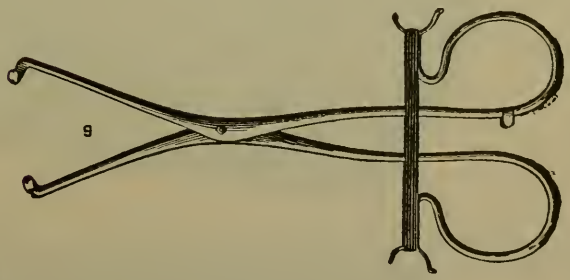


Fig. 10933. Miles' Caponizing Spreader.....$2.50

Fig. 10934. Caponizing Probe.....$0.20

FARMER MILES' CAPONIZING OR No. 2 SET.

This set has a great many admirers, as it does away with the horse hair. It consists of a knife for making the incision; the Spreader Forceps for holding the side open; sharp hook for catching the skin; the Loop Forceps is for catching and removing. Cords with hooks are for holding the bird. They are very fine instruments, made of the finest steel and of the best workmanship.

CAPONIZING INSTRUMENTS.

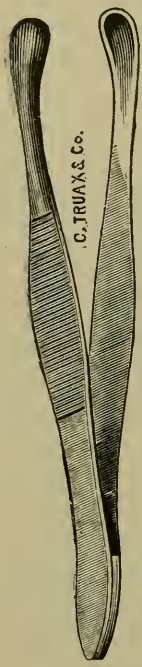


Fig. 10946. Caponizing Forcep.....$1.00

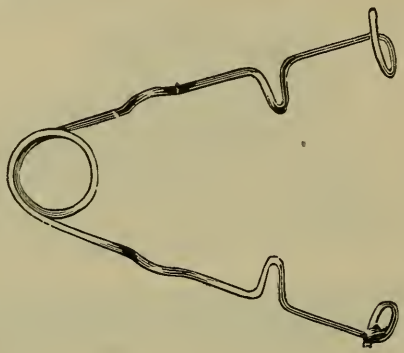


Fig. 10947. Plain Caponizing Spreader.....50c.

Fig. 10946. Wigmore's Caponizing Hook and Scoop....$1.50

Fig. 10940. Farmer Miles' Caponizing Set.....$6.00

Fig. 10945. Caponizing Spoon and Hook.....75c.

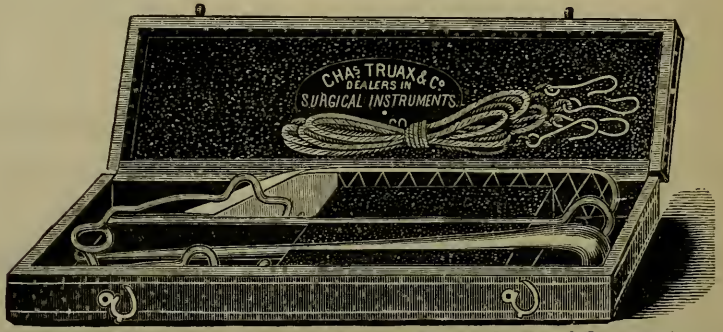


Fig. 10941. Wigmore's Caponizing Set, with Book of Instructions, ...$2.75

OBSTETRICAL AND PARTURITION INSTRUMENTS.

"MULLEN'S PARTURITION INSTRUMENTS."

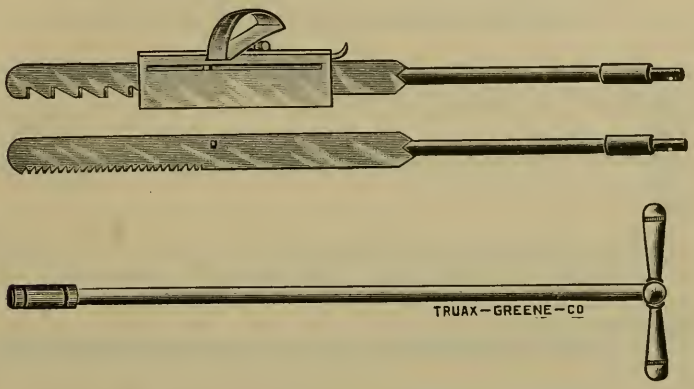


Fig. 10948. Mullen's Obstetrical Saws and Handle.

Fig. 10949. Mullen's Obstetrical Forcep and Handle.

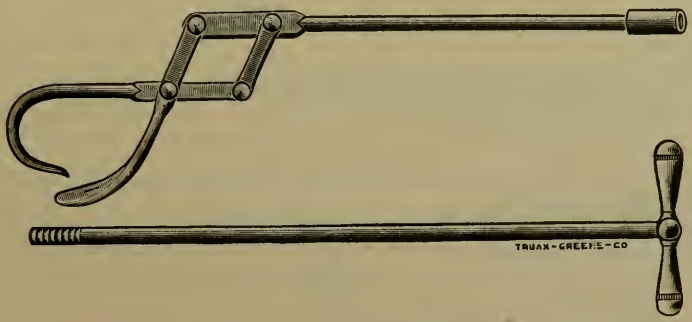


Fig. 10950. Mullen's Guarded Obstetrical Hook and Handle.

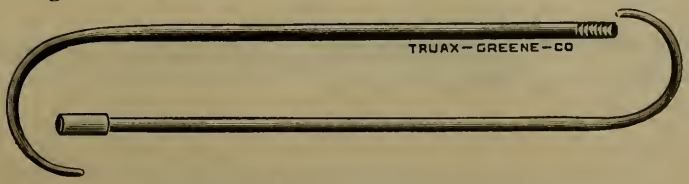


Fig. 10952. Mullen's Obstetrical Hooks.

The Mullen's Obstetrical Set, complete in Roll Case..... $60.00

OBSTETRICAL AND PARTURITION INSTRUMENTS.

PROF. WITHER'S OBSTETRICAL SET.

Fig. 10955. Wither's Repeller, with removable spear.....$2.50

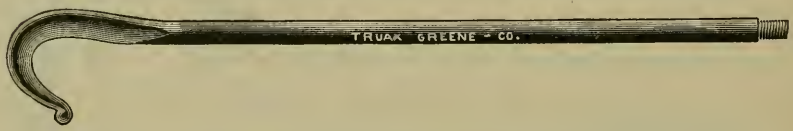


Fig. 10957. Wither's Long Probe Point Cutting Hook.....$2.25

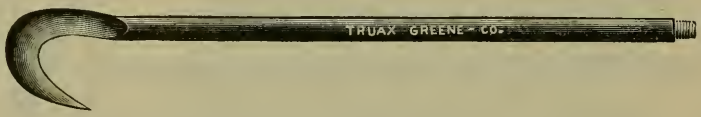


Fig. 10959. Wither's Long Sharp Point Cutting Hook.....$2.25

Fig. 10960. Wither's Long Sharp Point Hook.....$1.75

Fig. 10961. Wither's Chisel.....$2.50

Fig. 10962. Wither's Straight Rope Carrier.....$1.50

BALANCE OF PROF. WITHER'S SET SHOWN ON NEXT PAGE.

OBSTETRICAL AND PARTURITION INSTRUMENTS.

PROF. WITHER'S OBSTETRICAL SET—Continued.

Fig. 10964. Wither's Obstetrical Saw $2.75

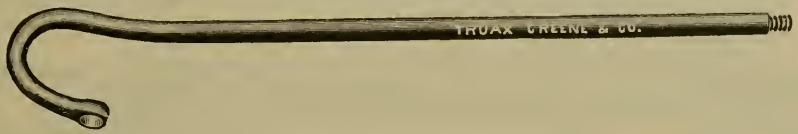


Fig. 10965. Wither's Curved Rope Carrier..... $1.75

Fig. 10966. Handles, for Wither's Saw and Rope Carrier, per pair..... $2.50

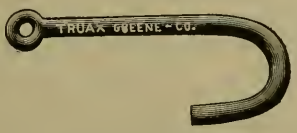


Fig. 10967.
Wither's Short Blunt Hook..... $1.25

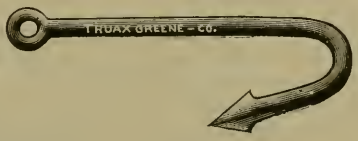


Fig. 10968.
Wither's Short Sharp Hook $1.50

Wither's Obstetrical Set, complete in Roll Case $20.00

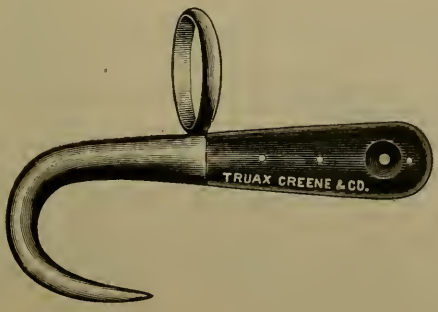
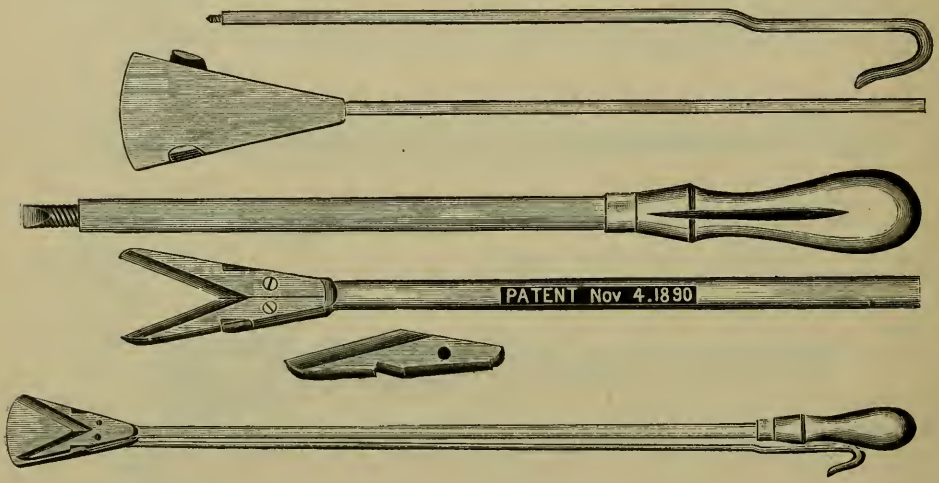


Fig. 10970. Mullen's Foal Hook..... $3.00

OBSTETRICAL AND PARTURITION INSTRUMENTS.

Swain's Patent Veterinary Embryotome.

The only practical instrument invented for performing extensive embryotomy. It cuts from the operator and against the expulsive efforts of the dam of the foetus operated upon, the advantages of which are readily apparent to the experienced obstetrician.



The Embryotome is provided with a shield which effectually protects the genital organ during insertion of the instrument, and is easily removed while operating. It also has three blades, two with rounded points and one with sharp point, either of which can be quickly detached and exchanged if desired. A screw driver for the purpose is provided in the joint of staff. The instrument is thirty inches in length and two inches wide at the cutting point, and so constructed as to be very light and strong, being made of the finest quality of instrument steel, finely finished and full nickel plated. The method of operating and use are so simple as to require but little explanation; but will say, with anterior presentation the head deviated backward, the cervical vertebra is readily and easily divided and the head and neck removed, also in case of breach or crop presentation the head of the femur may readily be disarticulated and the hind legs removed. The hooks are then applied and delivery effected by traction.

Its advantages are:

First—When in position and force brought to bear it cannot be displaced.

Second—It possesses double cutting power.

Third—Sliding motion while in operation, the advantages of which cannot be overestimated.

Fourth—It is capable of rapidly cutting bone as well as soft structures.

The inventor, having had many years experience in Veterinary Obstetrics, and having felt the want of a practical, easy operating Embryotome, has, after many trials, perfected this instrument, and is confident that no practitioner can afford to be without one. All successful Obstetricians must feel the necessity of always being prepared with the most improved instruments to meet their cases. This Embryotome is offered you at a very reasonable figure.

Price, each.....$20.00

OBSTETRICAL AND PARTURITION INSTRUMENTS.

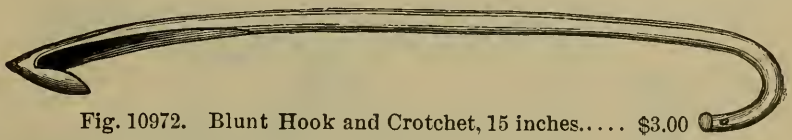


Fig. 10972. Blunt Hook and Crotchet, 15 inches..... $3.00

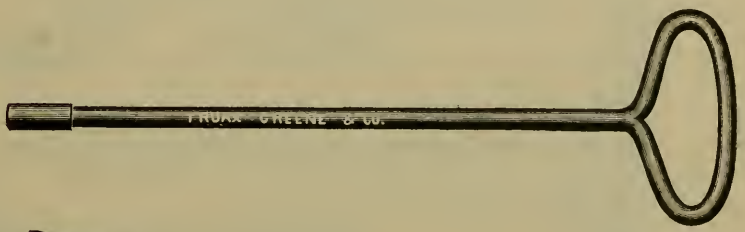


Fig. 10979. Hinged Repeller, Jointed Handle..... $4.50
" " Stiff " 4.00

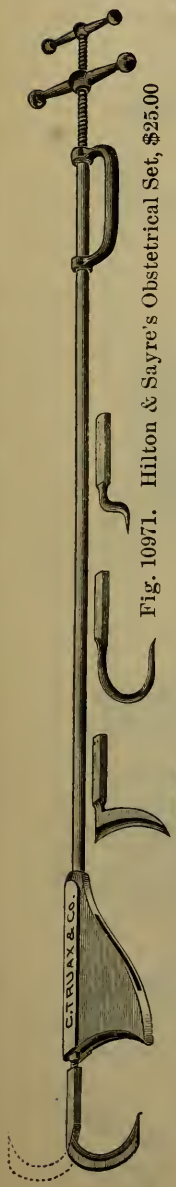


Fig. 10971. Hilton & Sayre's Obstetrical Set, $25.00

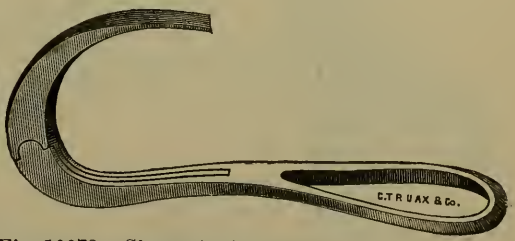


Fig. 10973. Sharp Articulated Foal Hook.. $2.50

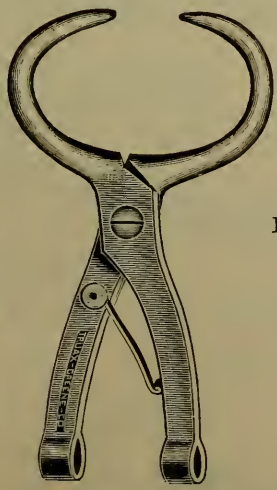


Fig. 10977. Parturition Hook, $3.50

Fig. 10974. Blunt Foal Hook..... $2.00

OBSTETRICAL AND PARTURITION INSTRUMENTS.

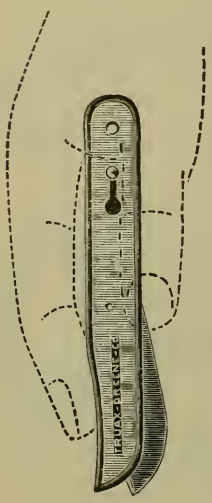


Fig. 11000. Palmer's Embryotomy Knife, $2.00

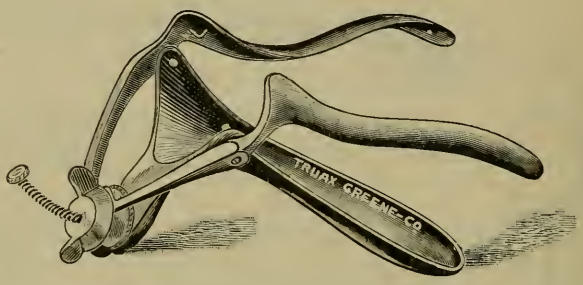


Fig. 10994. Wheat's Vaginal Speculum..... $12.00

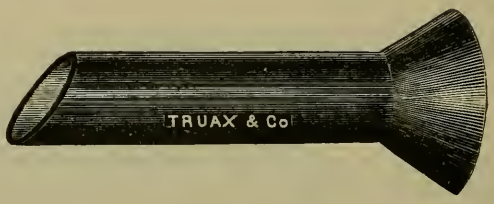


Fig. 10996. Hard Rubber Speculum..... $4 50

Fig. 11002. Lucas' Embryotomy Knife..... $3.00

Fig. 10990. Pig Forcep..... $3.50

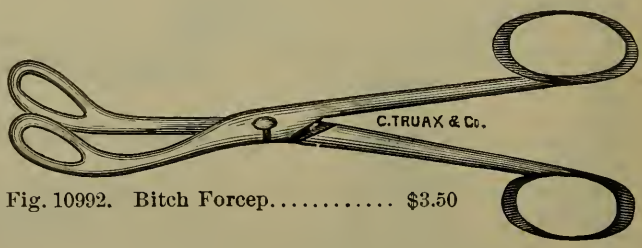


Fig. 10992. Bitch Forcep..... $3.50

Fig. 10998. Jennison's Uterine Douche..... $3.00

OBSTETRICAL AND PARTURITION INSTRUMENTS.

Fig. 11004. Concealed Blade Embryotomy Knife..... $1.85

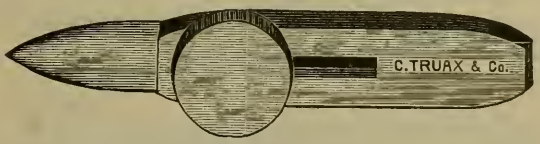


Fig. 11006. Embryotomy Knife Metal Handle..... $1.75

Fig. 11008. Embryotomy Knife, Rubber Handle..... $2.00

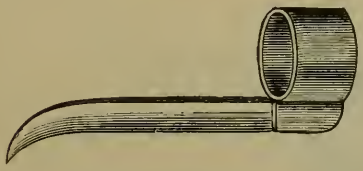


Fig. 11023. Ring Embryotomy Knife, straight.... $1.25

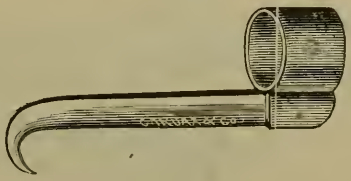


Fig. 11022. Ring Embryotomy Knife, curved..... $1.25

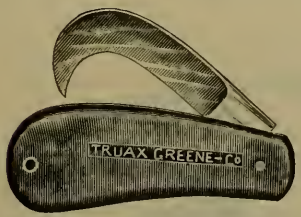


Fig. 11020. Leach's Embryotomy Knife..... $1.50

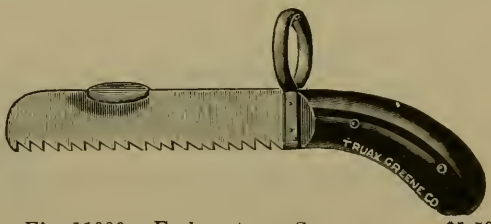


Fig. 11009. Embryotomy Saw..... $1.50

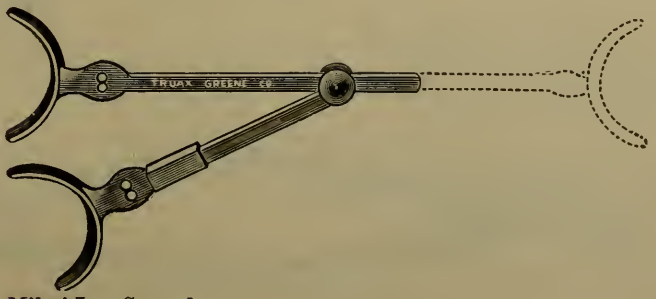


Fig. 11025. Miles' Leg Spreader..... $6.00

GYNAECOLOGICAL INSTRUMENTS.

Dr. M. E. Knowles' Set for the Treatment of Sterility and Uterine Diseases.

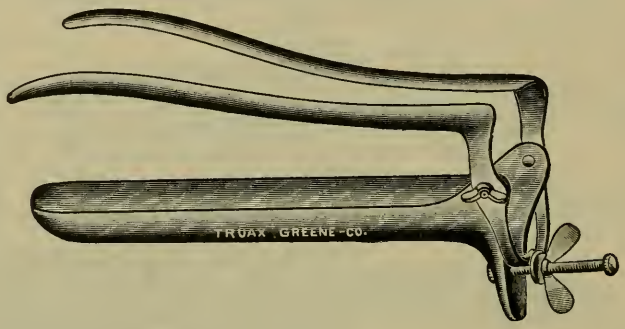


Fig. 11027. Knowles' Vaginal Speculum, metal.....$15.00

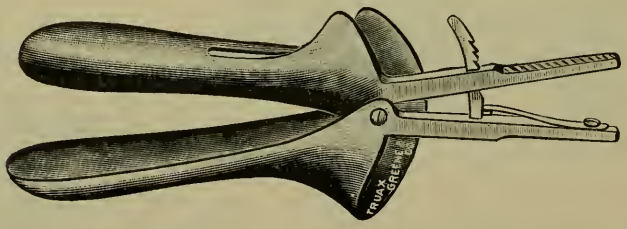


Fig. 11030. Knowles' Cervical Dilator.....$2.50

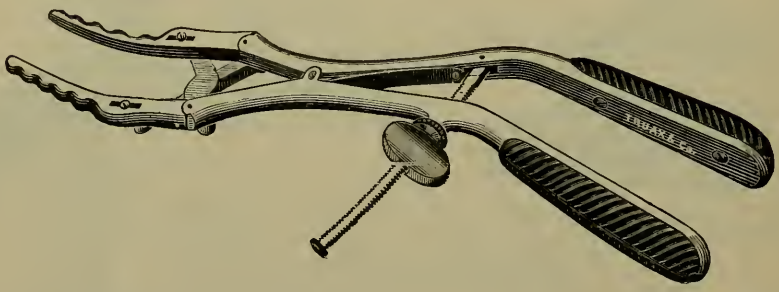


Fig. 11031. Knowles' Uterine Dilator.....$15.00

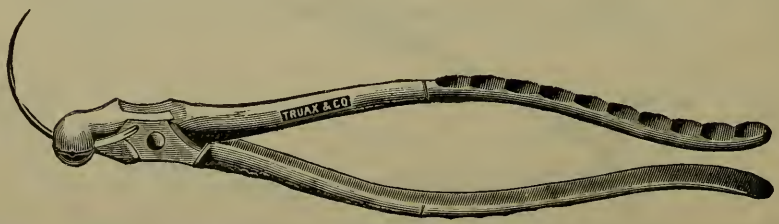


Fig. 11032. Perfected Needle Holder, large size.....$4.00

KNOWLES' UTERINE INSTRUMENTS—CONTINUED.

Fig. 11033. Applicator Forcep..... $7.00

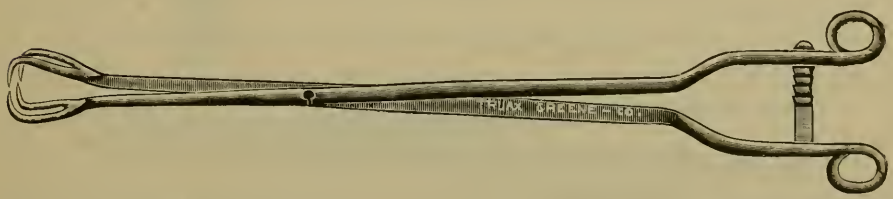


Fig. 11034. Vulsellum Forcep..... $7.00

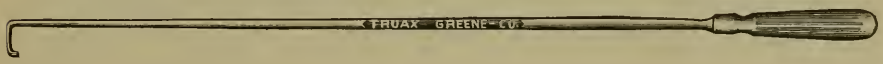


Fig. 11035. Tenaculum..... $2.00

Fig. 11036. Serrated Uterine Curette..... $4.00

Fig. 11037. Plain Uterine Curette..... $3.50

Fig. 11038. Flexible Copper Applicator..... $1.75

KNOWLES' UTERINE INSTRUMENTS—CONTINUED.

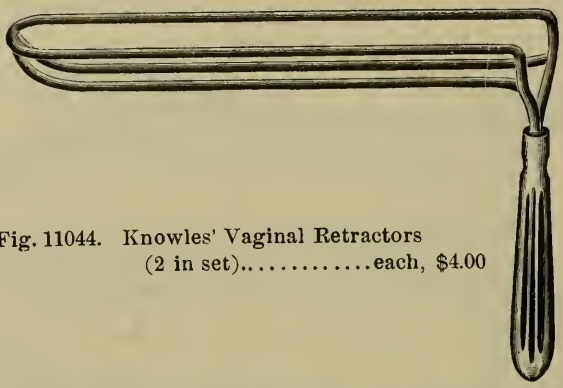


Fig. 11044. Knowles' Vaginal Retractors (2 in set).....each, $4.00

Fig. 11042. Wire Twisting Forcep..... $2.50

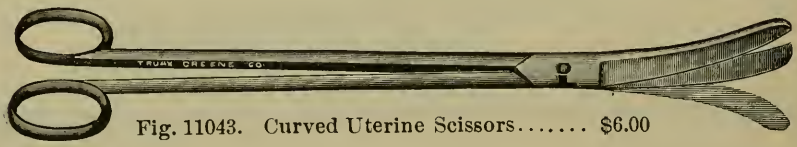


Fig. 11043. Curved Uterine Scissors..... $6.00

Fig. 11039. Powder Blower..... $2.50

Fig. 11040. Introducer and Pessary..... $10.00

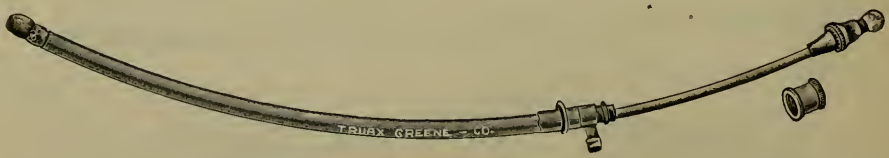


Fig. 11041. Uterine Douche..... $3.00

Dr. M. E. Knowles' set of Sterility and Uterine Instruments, complete in a fine case with nickel trimmings..... $110.00

ARTIFICIAL IMPREGNATION.

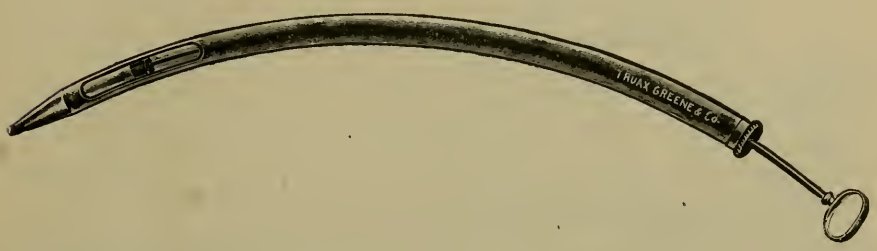


Fig. 11060. Sutherland's Impregnating Syringe.....$8.00

This Syringe has been in use some time, and meets every requirement. With it artificial impregnation is a success, and many mares heretofore sterile have produced valuable colts.

By D. G. Sutherland, V. S.

(Reprint from "Clark's Horse Review.")

Artificial impregnation, or, in other words, the propagation of the species in an unnatural manner, is not new in theory, and has, perhaps, to a certain extent been practiced. It has for many years been known to medical men that the introduction of the semen of the male into the uterus, or womb, of the female by artificial means could be followed by impregnation; that the semen of the male coming in contact with the ovum, or egg, of the female, no matter in what manner it was introduced, would fertilize the egg and the female would become pregnant.

Experiments with animals, so far as I know, have been very limited, but I have at our breeding farm demonstrated that artificial impregnation is not only possible but practicable, and we have the produce to show—one filly and two colts, straight, sound and good, and partaking as much or more of the characteristics of the horse Sphinx than those bred in the ordinary way. The process is not complicated and is given in full. Last year an ordinary syringe was used, but this season a syringe of my own pattern, of the proper length and shape, was procured from Charles Truax, Greene & Co., 75 and 77 Wabash Avenue, Chicago, Ill., who have kindly furnished the cut given and have placed the instrument on the market. This syringe seems to be perfect, and answers the purpose admirably. With it a competent veterinary, or one well versed in the location of the parts, will have no trouble in properly introducing the semen into the uterus of the mare. Introduce the hand and arm, well covered with vasaline, into the vagina. When the os uterus, or mouth of the womb, is located, take the instrument in the left hand, pass it along the lower side and close to the arm and into the os uterus, or opening of the womb. The syringe now being in position, all that remains to be done is to push in the piston rod with the left hand (the right always holding the instrument in position), and the semen contained in syringe is delivered in its proper place.

The necessary semen can be procured in two ways. By the introduction of the syringe into the vagina of the mare immediately after service and drawing out a necessary amount; or, what is the better way, have a clean earthen bowl of the proper temperature, steady the horse at time of service in the usual manner by placing the shoulder of an attendant on each side of the mare behind the front legs of the horse. After service and withdrawal of the penis a sufficient quantity can be caught from its end and from what frequently follows it from the mare to impregnate not one but frequently two or three mares if necessary. The mare to be injected should be close at hand, and the whole operation need take but a few moments.

I have found, under the microscope, that the semen after being exposed to the air out of doors on a windy, cold day, lived for nine minutes. At the end of that time motion ceased and life was evidently extinct. Another series of experiments will be made to ascertain how long the semen can be kept alive by keeping it at the proper temperature and exeluded from the air and in chemical solution. In connection with a physician I have examined the semen of Sphinx and other stallions, and he pronounced the semen of Sphinx the strongest and most active he had seen—in fact, stronger than in the majority of men. These examinations show that there is still much to be learned by breeders.

The advantages of artificial impregnation, not only to owners of stallions but to breeders, is positive and of great value. To illustrate: The first mare experimented on last year belonged to H. Coleman, of Saginaw. She produced one colt to Sphinx, was bred the next two years to the same horse but failed to get in foal. In 1891 she was not served by the horse but was injected once and proved to be in foal. This year (1892) she produced a fine filly, partaking much more of the shape and characteristics of the horse than the former foal. The second mare belonged to the farm and had been bred to other stallions two years without result. At the second injection she stood, and produced this year a fine horse colt that promises much as a trotter. The third was a driving mare and was injected as an experiment, she never having been bred. She stood to the first injection, and has as fine an individual colt as there is on the farm.

TEAT INSTRUMENTS.

Fig. 11078. Self-Retaining Milking Tube.....Plated, $0.45; Silver, $0.70

Fig. 11076. Plain Milking Tube.....Plated, $0.30; Silver, $0.40

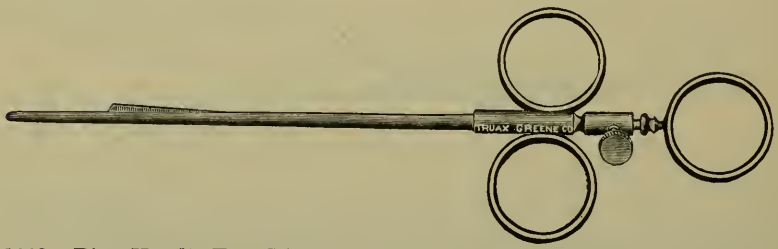


Fig. 11068. Ring Handle Teat Slitter..... $3.00

Fig. 11070. Thompson's Teat Bistoury..... $2.50

Fig. 11072. Greene's Teat Bistoury..... $4.50

Fig. 11074. Wigmore's Teat Bistoury..... $2.00

HOOF INSTRUMENTS.

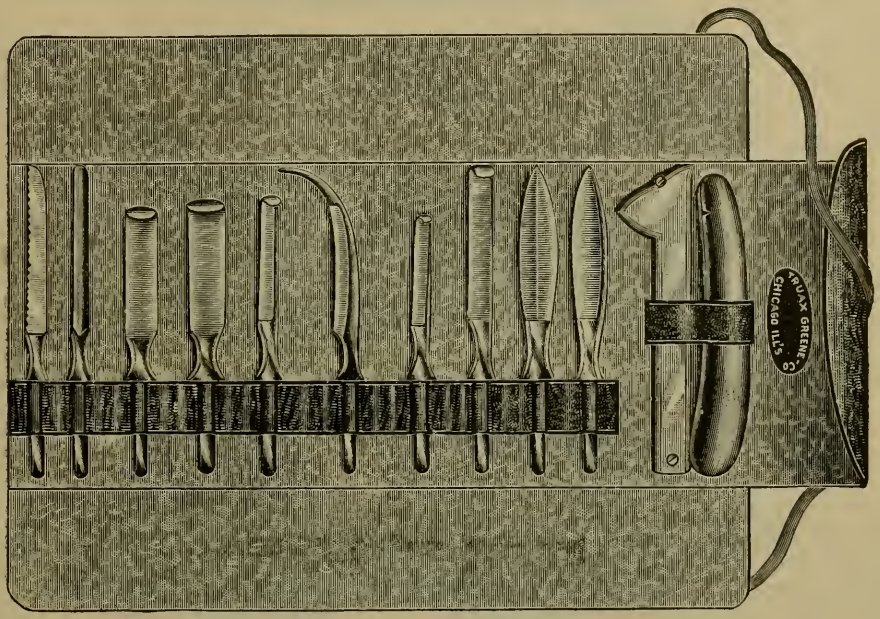


Fig. 11080. Hoof and Operating Set, containing:

1 Saw.
1 Gouging Knife.
2 Double Edge Hoof Knives.
1 Scalpel.
1 3-Blade Fleam.
3 Single Edge Hoof Knives.
1 Neurotomy Knife and Needle.
1 Double Edge Sage Knife.
1 Handle.

Leather Roll, chamois lined..... $15.00

Fig. 11084. Folding Hoof Knife..... $1.50

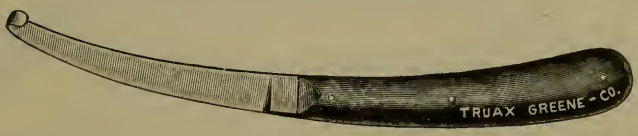


Fig. 11085. Stiff Handle Hoof Knife..... $1.25

Fig. 11086. Sage Knife, right and left..... $1.15
" " double edge..... 1.15

Fig. 11087. Double Edge Hoof Knife..... $1.25

Fig. 11088. Hoof Knife, right or left.....Common, $0.75; Best, $1.00

HOOF INSTRUMENTS.

Fig. 11095. Hook and Hammer $1.75

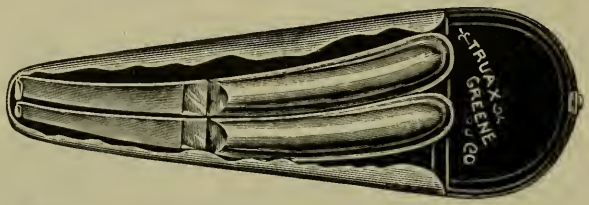


Fig. 11090. Stiff Metal Handle Hoof Knife, each $1.50
Set of two, right and left, metal handles, in leather case, set..... 3.00

Fig. 11089. Hoof Knives, set of 4 and 1 handle, $4.00; in roll-up leather case $5.00

Fig. 11094. Frog Seton Needle..... $0.75

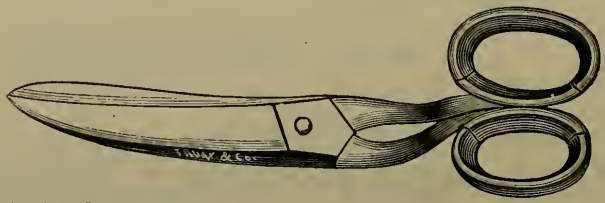


Fig. 11098. Clipping Shears, plain $1.00
" " leather rings..... 1.25

HOOF INSTRUMENTS.

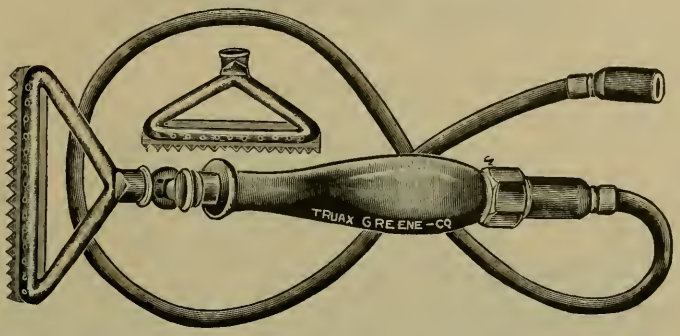


Fig. 11100. Singeing Lamp for Gas, 2 heads, including tubing..... $7.00

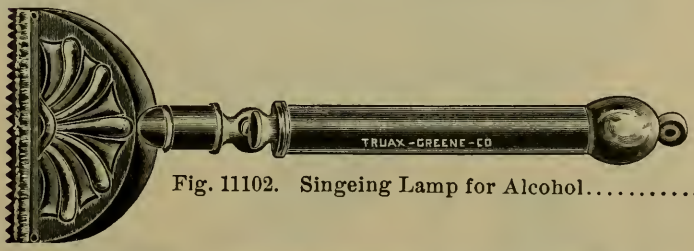


Fig. 11102. Singeing Lamp for Alcohol..... $3.00

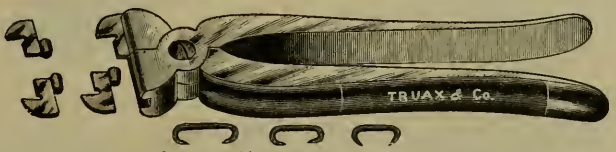


Fig. 11104. Berlin Quarter Crack Forcep, with small and large jaws, 2 dozen clamps..... $10.00

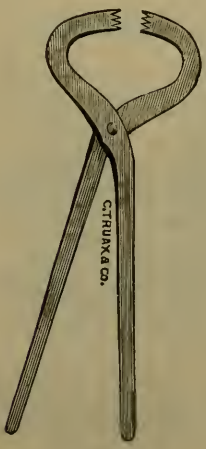


Fig. 11108.
Plain Hoof Searcher $2.00

Fig. 11106. Quarter Crack Forcep, $4.50; with Iron, $5.75

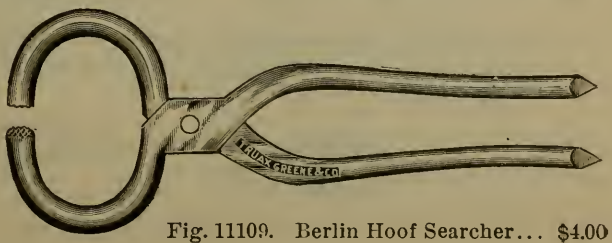


Fig. 11109. Berlin Hoof Searcher... $4.00

FIRING INSTRUMENTS.

THERMO-CAUTERIES.

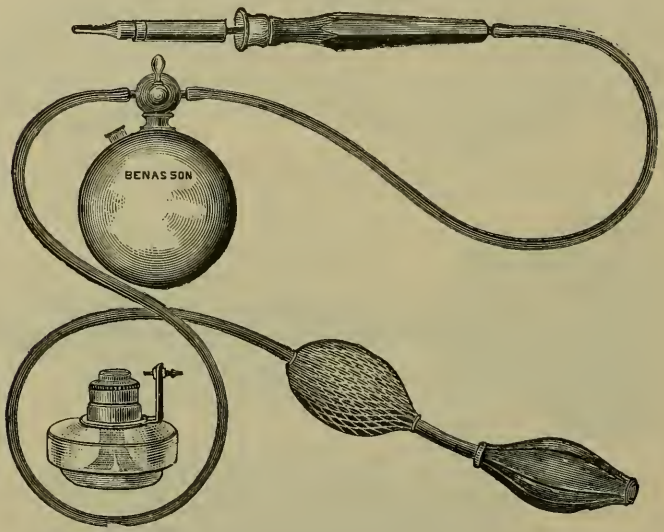


Fig. 11130. Paquelin's Thermo-Cautery..... ...$25.00

Extra knives, each, $10.00.

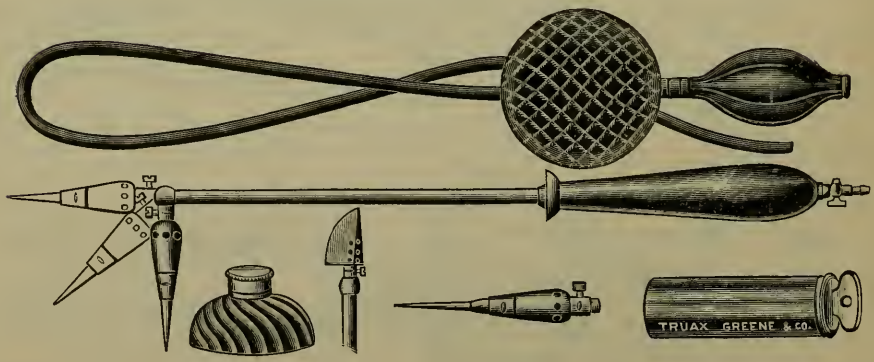


Fig. 11132. Zoo-Cautere, the above set without feathering point.....$27.50

FIRING INSTRUMENTS.

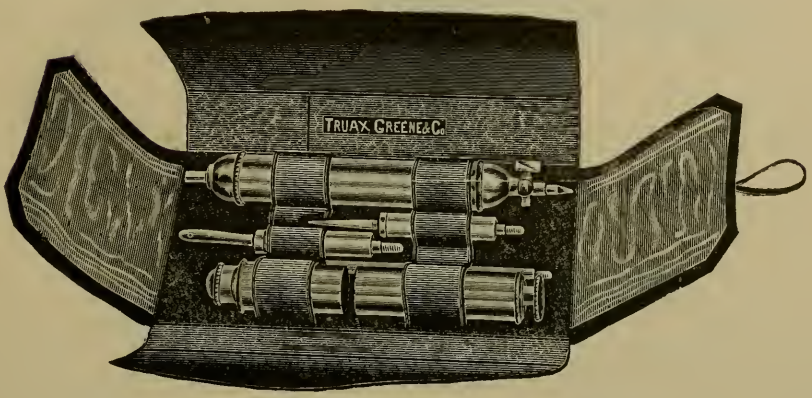


Fig. 11135. Pocket Thermo-Cautery, with double bulb..... $16.50

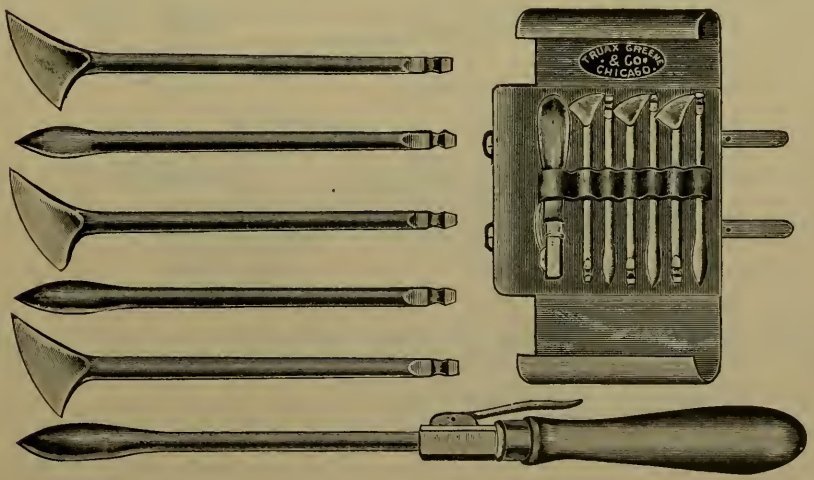


Fig. 11140. Firing Irons, each.....$0.75
Firing Iron Handles..... 1.00
Truax, Greene & Co.'s Firing Set, containing 3 Puncturing Irons, 3 Feathering Irons and 1 Handle, in a neat Leather Roll..... 6.00

FIRING INSTRUMENTS.

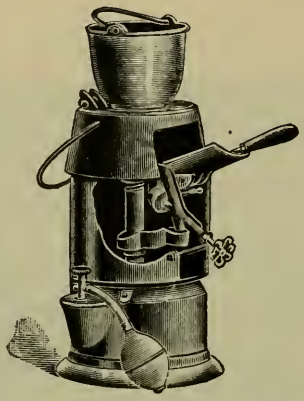


Fig. 11154. Self-Blowing Furnace for heating Firing Irons $9.00

The Furnace, as arranged, is absolutely non-explosive, being provided with an air-blast, which supplies the necessary pressure to force the fluid to the burner, instead of the elevated tank.

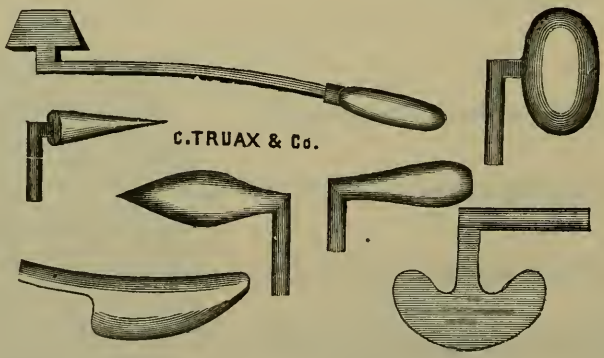


Fig. 11147. Firing Irons, any pattern, without handle, each $0.75
Firing Iron Handle, universal 1.00
Firing Iron, with plain stiff handle ..... .75

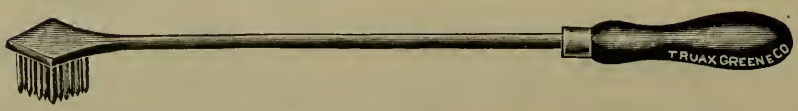


Fig. 11150. Williams' Pyropuncturing Iron $3.50

NEUROTOMY INSTRUMENTS.

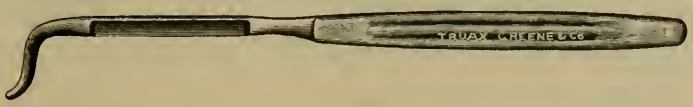


Fig. 11160. Neurotomy Knife, right and left.....each, $1.50

Fig. 11162. Hughes' Neurotomy Hook and Needle..... $1.50

Fig. 11163. Plain Artery Forcep..... $0.75

Fig. 11165. Curved on Flat Scissors, 6-inch..... $1.50

Fig. 11167. Tuthill's Neurotomy Knife..... $1.50

LITHOTOMY INSTRUMENTS.

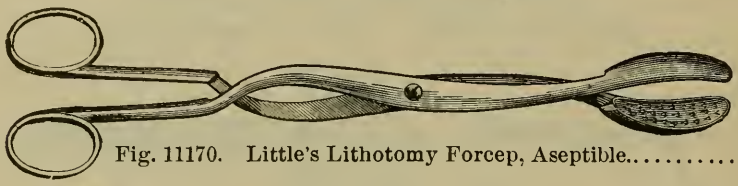


Fig. 11170. Little's Lithotomy Forcep, Aseptible..... $4.00

Fig. 11172. Curved Lithotomy Forcep, Aseptible..... $4.00

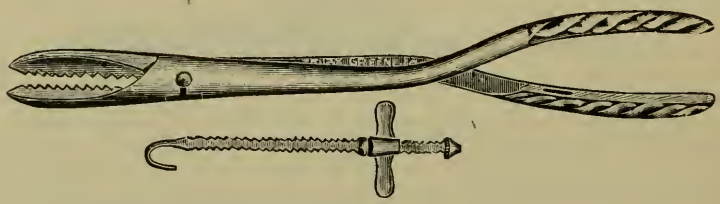


Fig. 11174. Dolbeau's Lithoclast, Aseptible..... $9.00

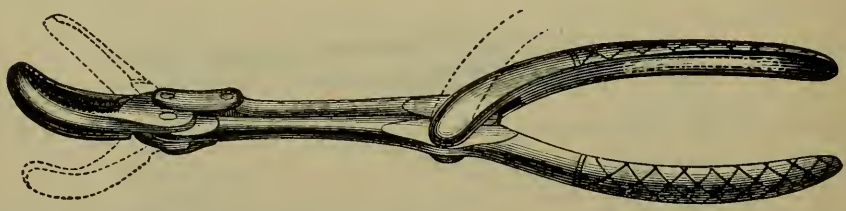


Fig. 11175. Gouley's Double Lever Lithoclast..... $10.00

Fig. 11176. Bigelow's Lithotrite, latest pattern..... $45.00

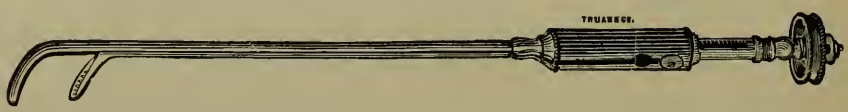


Fig. 11177. Thompson's Lithotrite..... $40.00

Fig. 11179. Reliquet's Lithotrite..... $45.00

LITHOTOMY INSTRUMENTS.

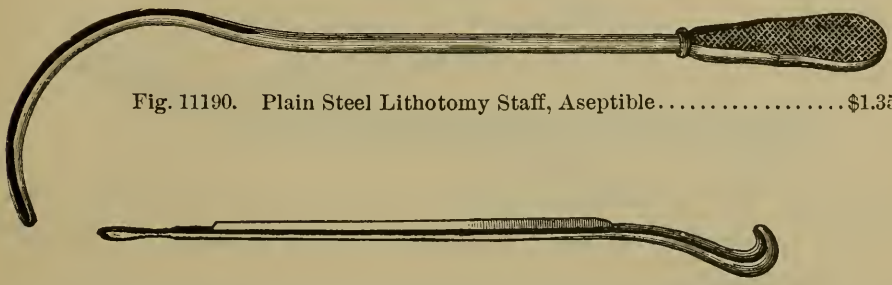


Fig. 11190. Plain Steel Lithotomy Staff, Aseptible.....$1.35

Fig. 11192. Lithotomy Scoop and Conductor, Aseptible.....$1.75

Fig. 11194. Luer's Lithotomy Scoop, Aseptible.....$1.85

Fig. 11195. Sharp Pointed Lithotomy Scalpel, Aseptible.....$1.25

Fig. 11196. Probe Pointed Lithotomy Scalpel, Aseptible.....$1.25

Fig. 11197. Large Scalpel, No. 0.....$1.25

Fig. 11198. Blizzard's Probe Pointed Bistoury, Aseptible.....$1.25

CATHETERS.

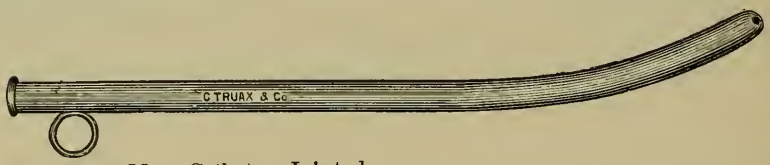


Fig. 11200. Metal Mare Catheter, Jointed $2.00
" " " Stiff 1.50

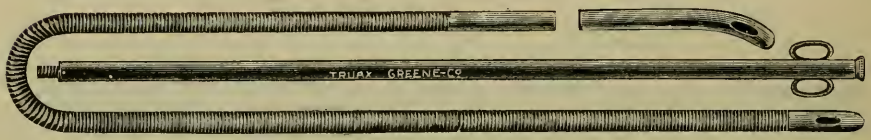


Fig. 11202. Combined Horse and Mare Catheter $4.00

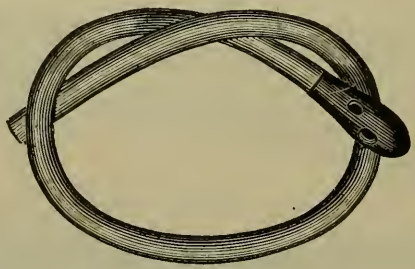


Fig. 11206. Horse Catheter, plain $1.25
" " linen, best quality 1.50
Colt " " " " 1.50

Fig. 11207. Horse Catheter, with stylet, best quality $1.75

DEHORNING INSTRUMENTS.

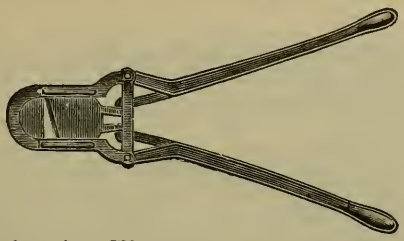


Fig. 11210. Leavitt's Dehorning Clipper.....$9.00

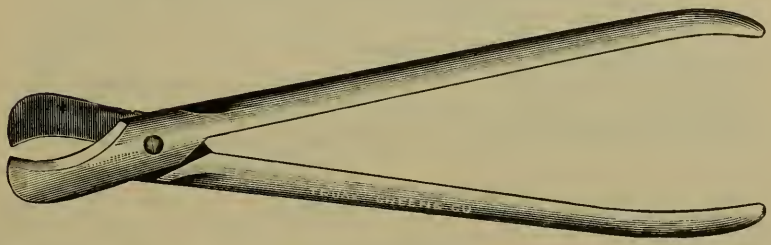


Fig. 11214. Plain Dehorning Forcep.....$5.00

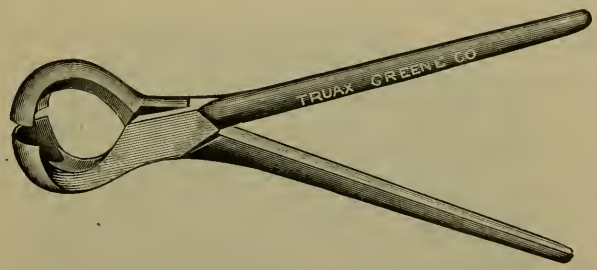


Fig. 11216. Dehorning Gouging Forcep.....$3.50

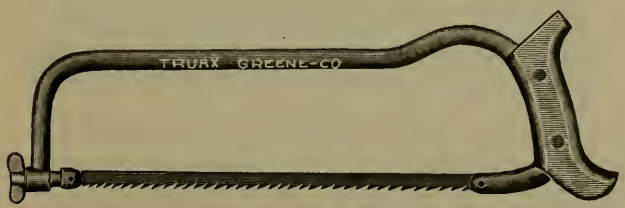


Fig. 11218. Dehorning Saw.....$1.00
" " Nickel-plated..... 2.50

HAAFF'S DEHORNING SET.

Consisting of 1 Saw, 1 Punch, 1 Gouging Forcep.

Set, complete.....$3.00

POST-MORTEM AND DISSECTING INSTRUMENTS.

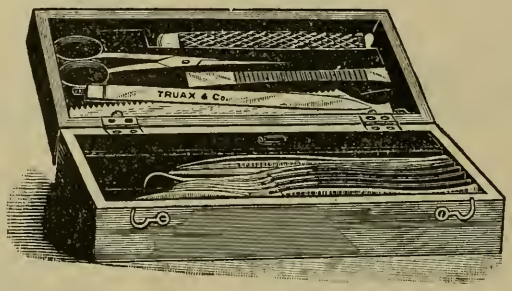


Fig. 11230. Finnel's Post-Mortem Case, containing:

1 Amputating Knife, Saw.
1 Handle to fit the above
3 Assorted Scalpels.
1 Steel Handled Cartilage Knife.
1 Straight Dissecting Scissors.
1 Steel Handled Tenaculum.
1 Set Heavy Chain Hooks.
1 German Silver Blow Pipe.
1 Dissecting Forcep.
2 Needles and Thread.
1 Chisel.
In Rosewood Case, with lock and key.

Price..... $9.50

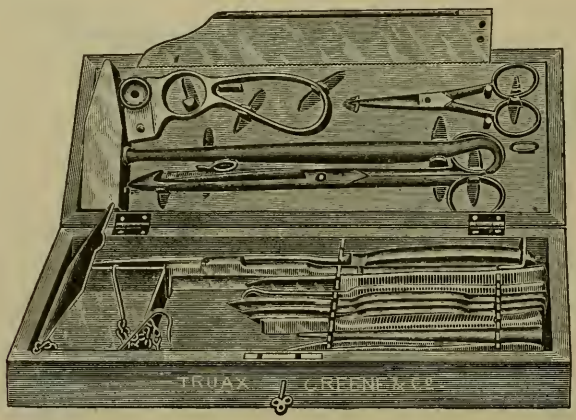


Fig. 11232. Truax, Greene & Co.'s Post-Mortem Case, containing:

1 Hammer.
1 Costotome Chisel.
1 Steel Handled Cartilage Knife.
3 Assorted Scalpels.
1 Steel Handled Dissecting Hook.
1 Pair Plain Dissecting Forceps.
1 Enterotome.
1 Set of Heavy Chain Hooks.
1 German Silver Blow Pipe.
1 Plain Chisel.
1 Pair of Straight Dissecting Scissors.
1 Amputating Knife.
1 Saw, with lifting back and separable handle.
2 Needles, Thread and Wax.
Mahogany Case, slide or lock.

Price..... $17.00

POST-MORTEM AND DISSECTING INSTRUMENTS.

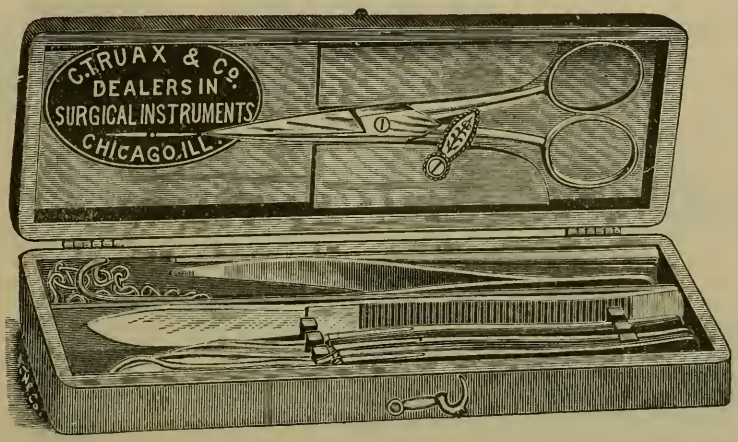


Fig. 11240. Truax, Greene & Co.'s No. 1 Dissecting Case, containing;

2 Scalpels.
1 Tenaculum.
1 Dissecting Scissors.
1 Cartilage Knife.
1 Dissecting Forcep.
1 Blow Pipe.
Set Chain Hooks.

All in a neat Polished Hardwood Case.....$2.00

Truax, Greene & Co.'s No. 2, containing:

4 Scalpels.
1 Tenaculum.
1 Dissecting Forcep.
1 Dissecting Scissors.
1 Cartilage Knife.
1 Blow Pipe.
1 Set Chain Hooks.

In Polished Hardwood Case.....$2.75

Sherman's, containing:

3 Scalpels, assorted.
1 Tenaculum.
1 Dissecting Scissors.
1 Dissecting Forcep.
1 Blow Pipe.
1 Set Chain Hooks.

All in a neat Polished Hardwood Case.....$3.00

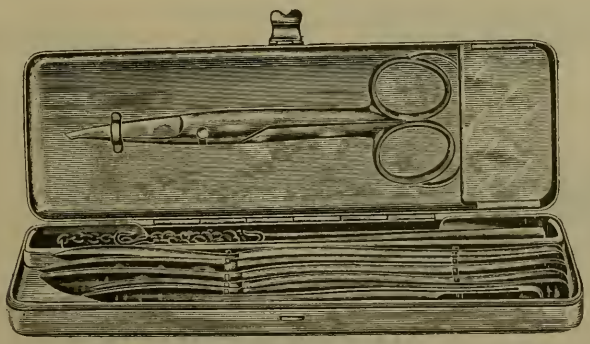


Fig. 11242. Truax, Greene & Co.'s Aseptible Dissecting Case No. 5, containing:

1 Cartilage Knife.
3 Scalpels, assorted sizes.
1 Tenaculum.
1 Dissecting Forcep.
1 Blow Pipe.
1 Chain and Hooks.
1 Scissors, separable blades.

All in a neat All-Metal Case.....$6.50

POST-MORTEM AND DISSECTING INSTRUMENTS.

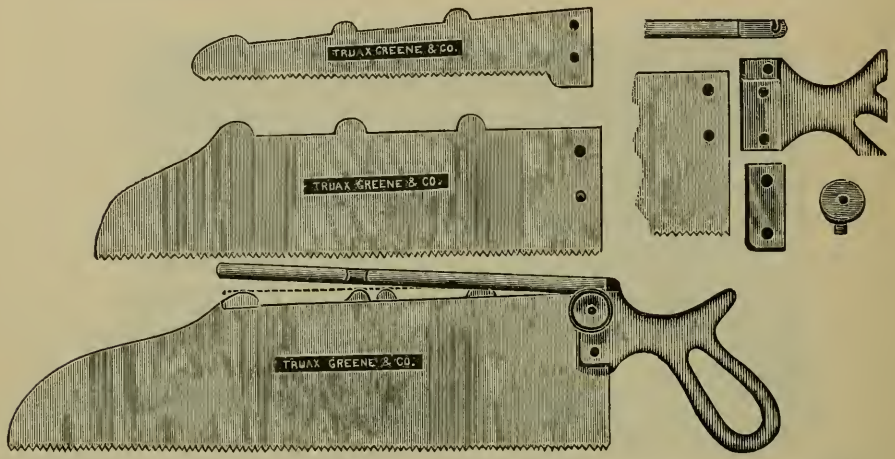


Fig. 11250. Truax's Capital Saw, three blades, Aseptible..... $4.50
This saw is also furnished with one or two blades.

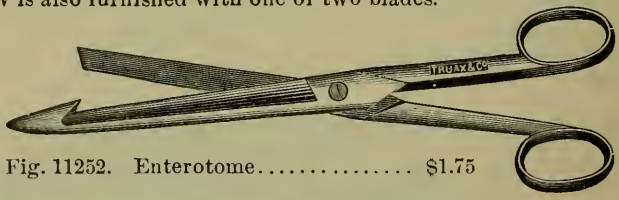


Fig. 11252. Enterotome..... $1.75

Fig. 11254. Costotome Chisel..... $1.15

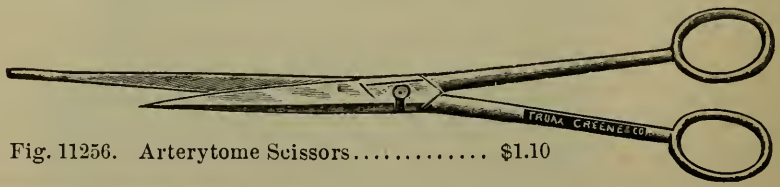


Fig. 11256. Arterytome Scissors..... $1.10

Fig. 11258. Virchow's Hammer and Chisel... $2.25

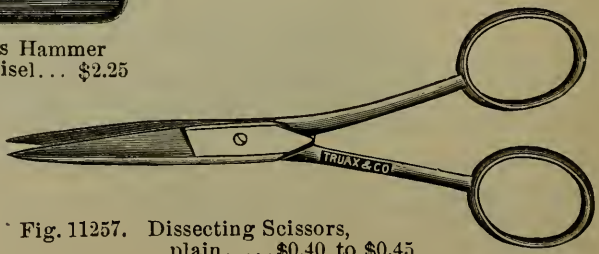


Fig. 11257. Dissecting Scissors, plain.....$0.40 to $0.45

POST-MORTEM AND DISSECTING INSTRUMENTS.

Fig. 11260. Double Grappling Hook, 45c.

Fig. 11262. Chain and Hook, 20c.

Fig. 11263. Dissecting Tenaculum, 35c.

Fig. 11264. Dissecting Cartilage Knife, 45c.

Fig. 11265. No 1 Dissecting Scalpel, 35c.

Fig. 11266. No. 3 Dissecting Scalpel, 35c.

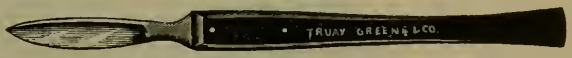


Fig. 11267. No. 5 Dissecting Scalpel, 35c.

Fig. 11268. Dissecting Forcep, 40c.

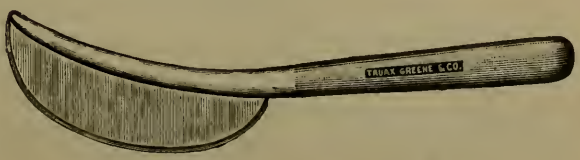


Fig. 11269. Rachitome Knife, $1.50

Fig. 11272. Steel Hammer, $1.65

Fig. 11274. Post-Mortem Needles, assorted sizes and shapes, 15c.

Fig. 11276. Dissecting Blow Pipe, 15c.

INSTRUMENT BAGS.

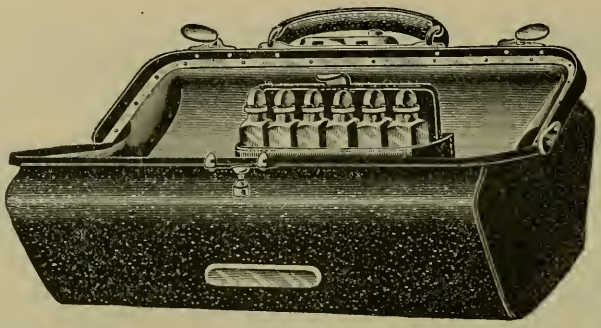


Fig. 11280. Instrument Bag with 6 bottles on side. For prices and sizes, see page 117.

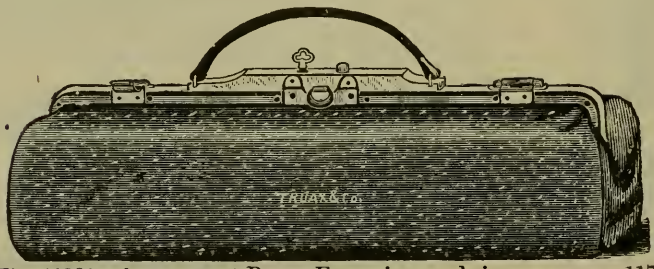


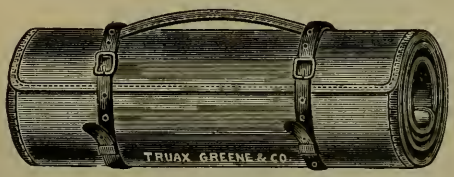
Fig. 11282. Instrument Bag. For prices and sizes, see page 117.

Fig. 11284. Instrument Bag, Cabin Pattern. See page 117.

The construction of this bag is such that there is no change in shape or loss in capacity or size when closed as in the other styles of bags. It will open completely, giving a full view of all contents, and will stay open without the covers being held. When open it occupies no more surface space than when closed. It is neat in appearance, substantially made and very durable. All things considered, it is by far the most desirable instrument bag yet offerd. This bag is made in five sizes. For prices, see page 117.

INSTRUMENT BAGS.

Bags, Instrument, 12 inch, regular width	$2.50
" " 13 " "	2.65
" " 14 " "	2.80
" " 15 " " Fig. 11282	3.00
" " 16 " "	3.15
" " 17 " "	3.30
" " 12 " extra wide	2 90
" " 13 " "	3.05
" " 14 " "	3.25
" " 15 " "	3.40
" " 16 " "	3.55
" " with 6 bottles on side, 14 inches, Fig. 11280	3.30
" " " 6 " " " 15 "	3.45
" " " 6 " " " 16 "	3.60
" " " 6 " " " 17 "	3.75
" " " 4 glass bottles in center, 15 inch	4.25
" " " 4 " " " 16 "	4.50
" " " 4 " " " 17 "	4.75
" " Cabin pattern, 12 inch, Fig. 11284	4.00
" " " " 14 "	4.25
" " " " 15 "	4.50
" " " " 16 "	4.75
" " " " 17 "	5.00
" " " with 6 bottles on side, 14 inch	4.75
" " " " 6 " " 15 "	5.00
" " " " 6 " " 16 "	5.25
" " " " 6 " " 17 "	5.50



Instrument Rolls. For prices see page 5.

MEDICINE CASES,

INSTRUMENT BAGS,

DENTAL ROLLS

....AND....

ALL KINDS OF LEATHER WORK A SPECIALTY.

MEDICINE CASES.

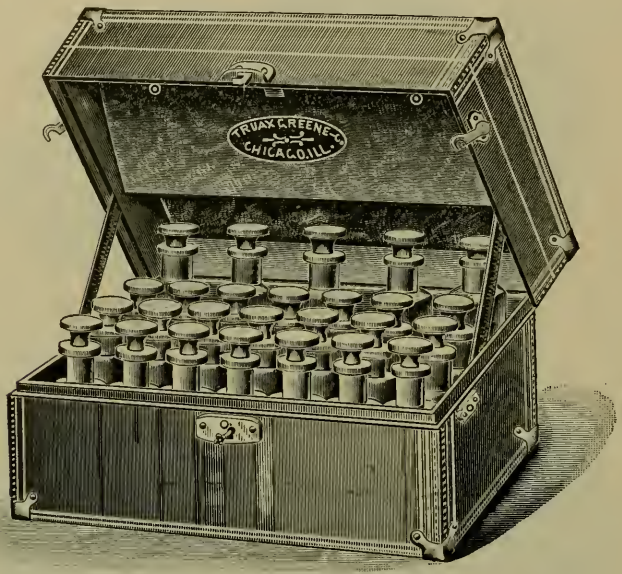


Fig. 11290. Truax, Greene & Co.'s No. 100 Veterinary Medical Case.....$12.00

This case is made of russet leather with fine nickel trimmings. The partitions dividing the bottles can be removed, thus converting it into an instrument case. It contains 2 8-oz. wide mouth, 3 8-oz. tincture, 10 4-oz., 10 2-oz. all glass-stoppered bottles and space for instruments.

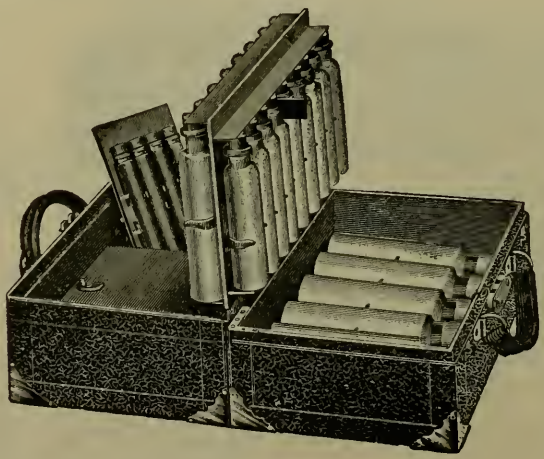


Fig. 11294. The Nancy Hanks Veterinary Case.....$10.75

Nancy Hanks Veterinary Case. Made of black water-proof leather, substantially lined, containing 6 8-oz., 8 4-oz., 9 2½-oz., 8 1-oz., and large box for sundries. Dimensions, 13½x8¾x8¼.

BUGGY AND HAND CASES.

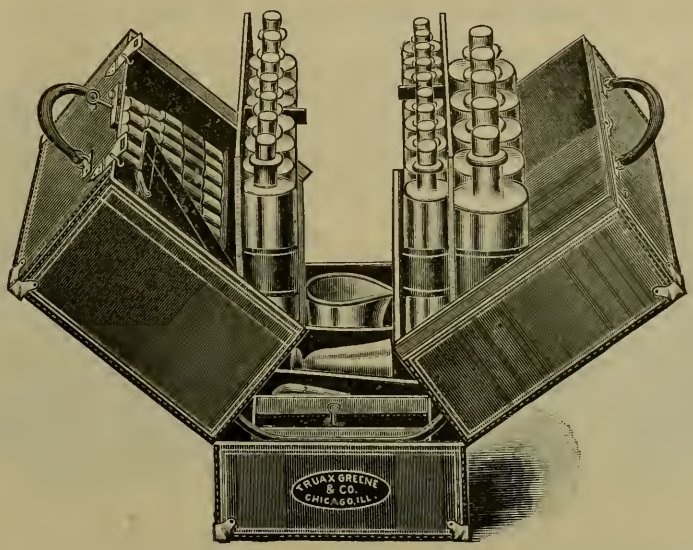


Fig. 11296. Truax, Greene & Co.'s No. 200 Veterinary Medicine Case..... $15.00

This case is made of russet leather with fine nickel trimmings. Size, 13 in. long, 8 in. wide, 12 in. high; contains 3 8-oz. square glass stop. tinct. bottles, 2 8-oz. square salt mouth bottles, 12 1-oz. round bottles, 7 4-oz. round bottles, 9 2-oz. round bottles, 1 2-oz. graduate, 1 pair scales, 1 mortar and pestle, space for horse catheter, powders, etc.

Fig. 11298. Truax, Greene & Co.'s No. 300 Veterinary Medicine Case..... $10 00

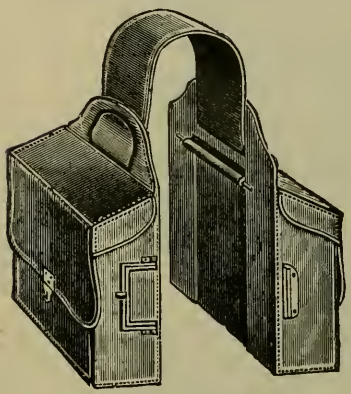
This case is of russet leather with fine nickel trimmings. In addition to a strong lock it is provided with clasps at each end. The case is 12½ in. long, 8¼ in. wide and 8½ in. high, and contains 2 8-oz. glass stop. wide mouth, 3 8-oz., 7 4-oz., 10 2-oz., 8 1-oz. bottles, with graduate and large instrument box.

BUGGY AND HAND CASES.

MARSHALL'S CONVERTIBLE HAND CASE SADDLE-BAGS.—PATENTED.

MARSHALL'S PATENT.

This bag is made of the best leather, either russet or black, the trimmings are nickel-plated, and in every way it presents a very fine appearance. It contains 12 1½-oz. glass stoppered, 16 6-drachm and 8 2-drachm corked vials, besides having two boxes, for sundries, on either side that measure 7½ in. long, 2½ in. wide and 2¼ in. deep.



No. 1. Saddle-bag Form.

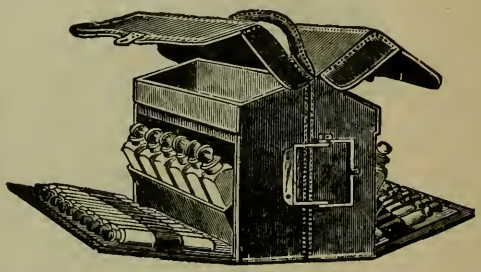


Fig. 11299. No. 2. Hand Case Form.

It can be changed from saddle-bags No. 1 to hand case No. 2, or vice versa, almost instantly.

Price, russet leather.....Net, $16.00
" black..... " 15.50

Fig. 11312. Hand Case..... $3.00

This case is 9½ in. long, 3¼ in. thick, by 4 in. high, and contains 8 1-oz., 10 6-drachm and 12 4-drachm vials.

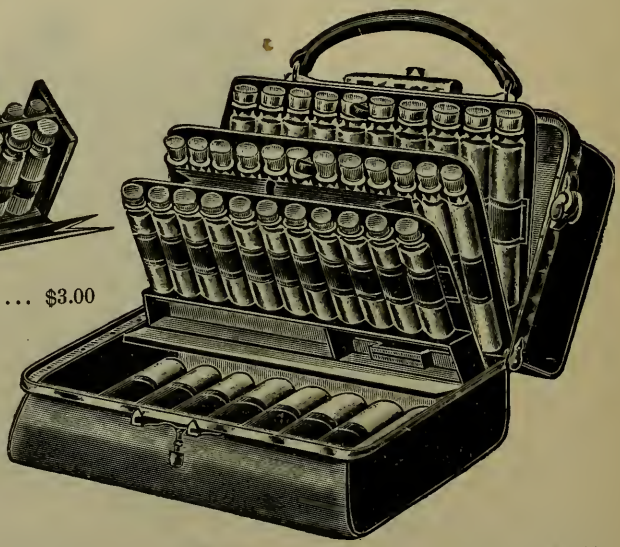
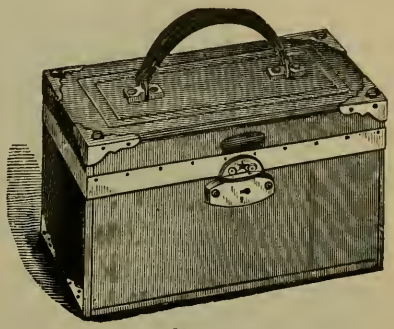


Fig. 11316. Satchel Medicine Case..... $9.00

This case is 10 in. long, black leather, nickel-plated trimmings, and contains 10 1-oz., 15 5-drachm, 11 4-drachm 8 short 1-oz. bottles, with instrument and Hypodermic box.

BUGGY AND HAND CASES.

Open.



Closed.

Fig. 11320. Buggy and Hand Case $13.50

Buggy Case, containing 6 2-oz. glass stoppered, 10 1-oz., 12 6-drachm and 14 4-drachm corked vials. In the top is a box with lid, size 8½ x 4½ x 1 inch, with instrument loops. The case closes with a spring catch, and has a lock and key. It is made of the heaviest and best russet or black sole leather, and is well protected with metal trimmings. Size, 10¾ x 5¾ x 7 inches.

NOTE.—The row of glass stoppered bottles rises as the case opens, and the vial labels are all exposed.

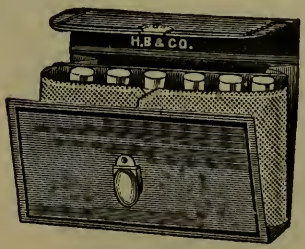


Fig. 11332. Medicine Case $2.50

Genuine Russia leather, and contains 8 vials, 3 drachms each.

Fig. 11324. Buggy and Hand Case. $10.75

Made of fine seal grain, bag stock; contains vials on removable partitions, 22 1-ounce and 22 3-drachm. Size, 11 x 6 x 5½.

MEDICINE CASES.

Fig. 11330. TRUAX, GREENE & CO.'S FLEXIBLE MEDICINE CASES.

These Cases are all made with one row of bottles, the size of the vials varying from one-half to 6 drachms, and from 6 to 15 bottles in each case. The best patterns are as follows:

11331.	Contains	6	4-drachm	vials	$2.00
11332.	"	9	4	" "	2.25
11333.	"	12	4	" "	3.00
11334.	"	6	6	" "	3.25
11335.	"	10	6	" "	3.00

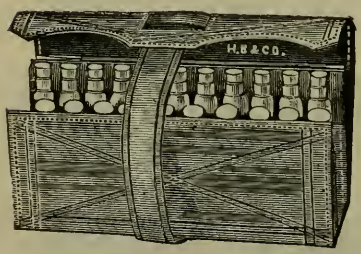


Fig. 11336. Medicine Case.. $1.85

This Case is of dark morocco and contains 20 4-drachm vials.

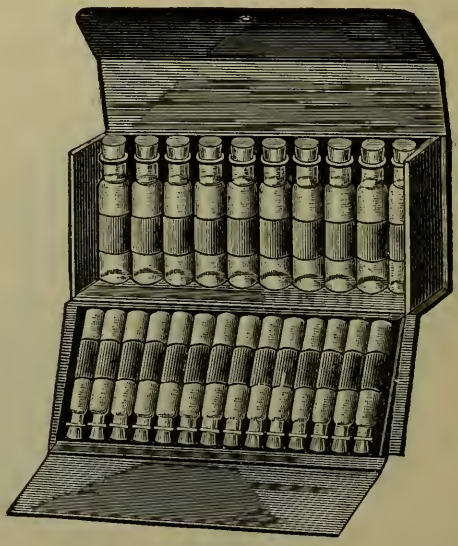


Fig. 11337. Medicine Case.....$2.50

This Case contains 10 3-drachm and 14 2-drachm vials; stiff ends, dark morocco.

RUBBER GOODS.

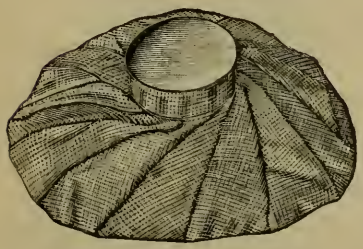


Fig. 11350. German Ice Bag, 75c.

Fig. 11352. No. 4 Ice Bag, 50c.

Fig. 11354. Best quality Finger Cots, dozen, 35c.

Fig. 11355. Half Long Rubber Gloves, $1.25 to $2.00.

Fig. 11356. Short Rubber Gloves, $1.00 to $1.15.

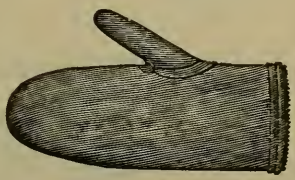


Fig. 11357. Men's Rubber Mittens, $1.00.

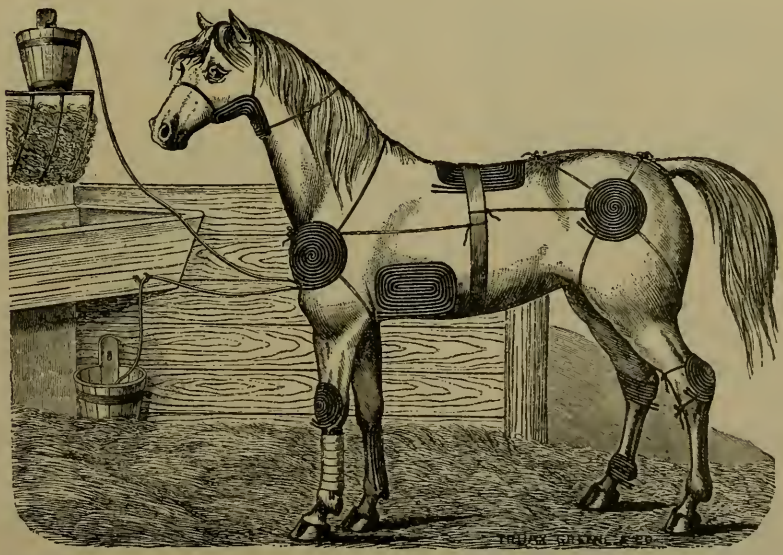


Fig. 11358. Showing application of Water Coils for Hot or Cold Water.

Water Coils,	oblong,	5x9 inches	$1.85	7x11 inches	$2.65
"	"	square,	10 "	3.00	14 "	4.50
"	"	round,	9 "	1.85	13 "	2.65

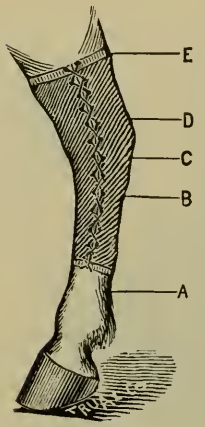


Fig. 11370.

ELASTIC LEGGINGS

FOR THE TREATMENT OF

BOG SPAVINS, SWELLINGS,

And other conditions where a constant pressure on the parts would be beneficial.

DIRECTIONS FOR MEASUREMENTS.

Give circumference of leg at A, B, C, D and E; give distance from knee joint to lower edge of legging and from knee joint to upper edge of same.

PRICE, $3.75 TO $5.00.

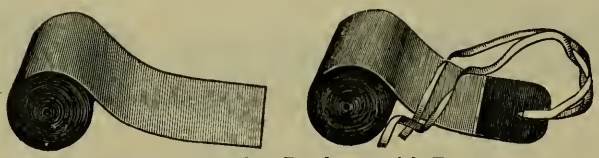


Fig. 11372. Rubber Bandages with Tapes.

NET PRICES TO PHYSICIANS.

Bandages, Rubber, manufactured from pure gum, medium thickness.

2	inches wide by	6	feet long	each,	$0.40
2	"	9	"	"	.50
2	"	10½	"	"	.60
2	"	12	"	"	.70
2	"	15	"	"	.90
2½	"	9	"	"	.60
2½	"	10½	"	"	.75
2½	"	12	"	"	.90
2½	"	15	"	"	1.05
2½	"	18	"	"	1.20
3	"	9	"	"	.75
3	"	10½	"	"	.90
3	"	12	"	"	1.10
3	"	15	"	"	1.25
3	"	18	"	"	1.50

Rubber Bandages, extra heavy, for Esmarch's Tourniquets.

3	inches wide by	10½	feet long, with tapes	each,	$1.50
3	"	15	" "	"	2.00

We are also prepared to furnish Rubber Bandages to order from 30 to 60 feet long, or very light or extra heavy ones for special purposes.

Bandages, Derby, set of 4, white		$0.65
" " "	gray	.75
" " "	scarlet	1 00
" Empire, 3 inches by 5 yards		1.00

BOG SPAVIN TRUSSES AND STALLION SHIELDS.

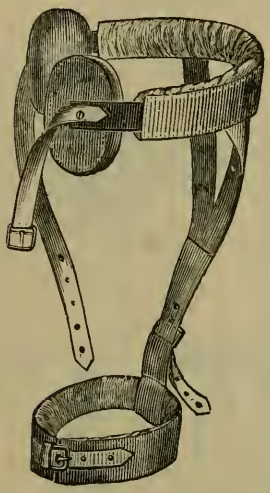


Fig. 11380. Plain Bog Spavin Truss..... $5.00

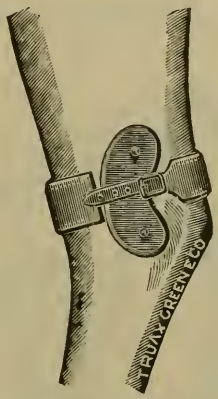


Fig. 11384. A. H. Baker's Bog Spavin Truss, $5.00

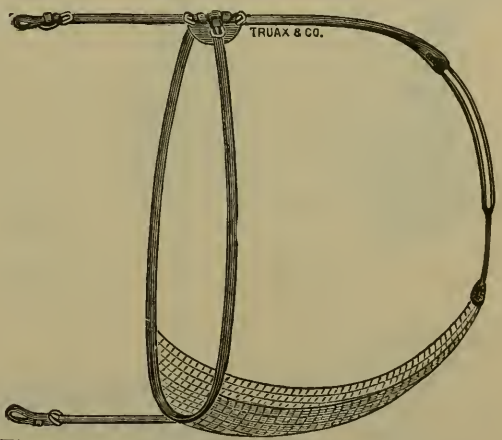


Fig. 11385. Improved Supporter for Trotting Stallions, latest pattern.. $6.00

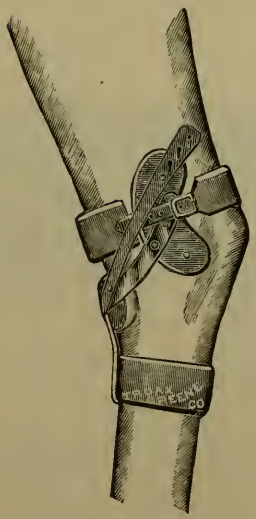


Fig. 11382. A. H. Baker's Bog Spavin and Thoroughpin Truss..... $7.00

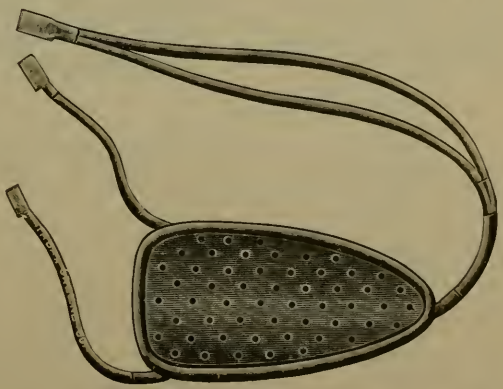


Fig. 11386. Rubber Stallion Supporter..... $4.00

CHEMICAL GLASSWARE AND APPARATUS.

Fig. 366.

Fig. 365.

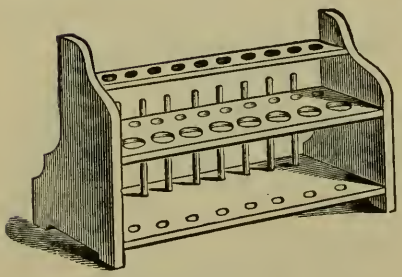


Fig 370.

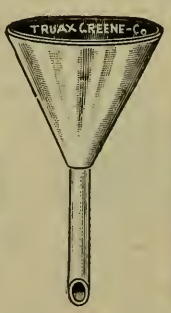


Fig. 371.

Fig. 372.

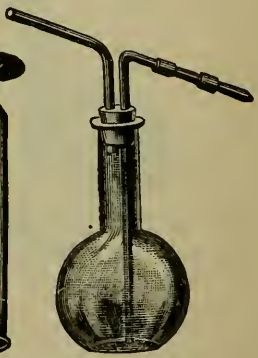


Fig. 375.

	Stoppered, each.	Plain, each.
RECEIVERS, Fig. 365.		
Half pint	$0 45	$0 35
Pint	60	50
Quart	75	60
Half gallon	1 00	75
Gallon	1 25	1 00
RETORTS, glass, Fig. 366.		
Half pint	45	35
Pint	60	50
Quart	75	60
Half gallon	1 00	75
Gallon	1 25	1 00
RODS, glass, stirring, assorted sizes	per doz	1 00
TEST GLASSES, Conical.		
2 oz., price, without covers, Fig. 383		30
4 oz., " " "		35
6 oz., " " "		40

CHEMICAL GLASSWARE AND APPARATUS.

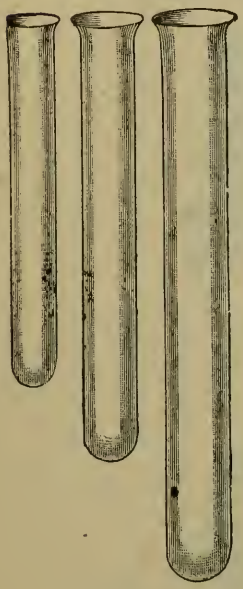


Fig. 380.

Fig. 381.

Fig. 382.

Fig. 383.

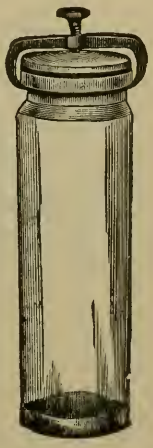


Fig. 384.

TEST TUBES, plain, graduated and on foot, see page 973.

TEST TUBE HOLDERS, Racks and Brushes, see page 973.

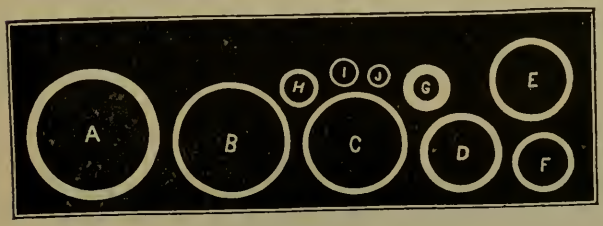


Fig. 390.

TUBING, Glass, small sizes, half in. or under, lb.. $0 60
Large sizes, over half in., ... lb 50

In ordering glass tubing, please state whether inside or outside measurements are wanted, according to millimeter scale.

TUBING, RUBBER. See Page 724.

WASH BOTTLE, complete, with flexible exit tube, Fig. 375.....pt $0 60
" " " " " " " " .....qt 75

WOULFE BOTTLES, Fig. 354.

Half pint.....each 75
Pint.....each 85
Quart.....each 1 10
Half gallon.....each 1 50
Gallon.....each 2 50

DISPENSING SUPPLIES AND DRUG SUNDRIES.

Fig. 285. Antique Oak Box Counter Scale.

SCALE, Fine finished Antique Oak Box, with engraving and dial, Tennessee Marble Top, Nickel-plated Pans.

Diam. of pans, 8 inches; capacity, 15 lbs.....$12 00

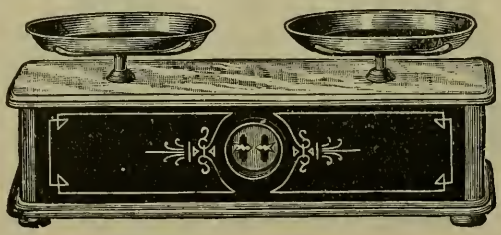


Fig. 286. Ebony Box Scale.

SCALE, Ebony Box with Gold Lines and Dial, Marble Top, Nickel-plated Pans.

Diam. of pans, 8 inches; capacity, 15 lbs.....$11 00

Diam. of pans, 9 inches; capacity, 25 lbs..... 12 00

Fig. 287. Cherry Box Scale.

SCALE, Finely finished Cherry Box, with engraving and dial, Tennessee Marble Top, Nickel-plated Pans.

No. 2 diam. of pans, 8 inches; capacity, 15 lbs.....$11 00

No. 3 diam. of pans, 9 inches; capacity, 25 lbs..... 12 00

DISPENSING SUPPLIES AND DRUG SUNDRIES.

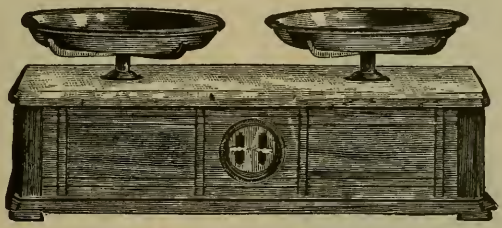


Fig. 288. Lake Side Box Counter Scale.

SCALE, Ash Box, Variegated Marble Top, Glass Dial, and Nickel-plated Pans.
No. 1. diam. of pans, 8 inches; capacity, 20 lbs.....$10 50

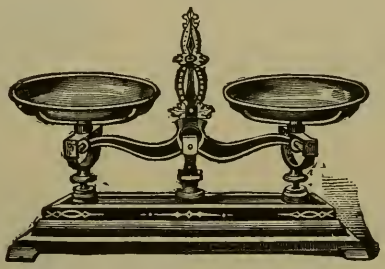


Fig. 289. Robervahl Scales.

SCALE, neatly ornamented in gold lines; heavy brass pans and brass indicator.

No. 2,	size of pan, 9	inches;	capacity, 15	lbs.....	$ 7 50
" 3,	" 8	"	" 10	"	6 00
" 4,	" 6	"	" 5	"	5 00

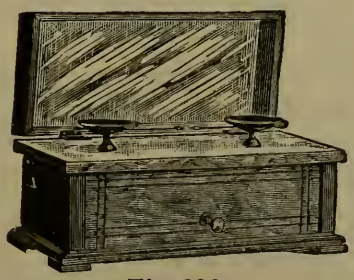


Fig. 290.
Lake Side Box Prescription Scale.

Fig. 291.
Army Prescription Scale.

LAKESIDE BOX PRESCRIPTION SCALE, box made of Ash, Variegated

DISPENSING SUPPLIES AND DRUG SUNDRIES.

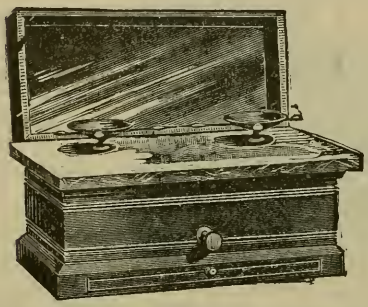


Fig. 307. Ebony Box Prescription Scale.

French Polished Ebony Box, with Marble Top and hinged glass cover, nickel-plated pans; sensible to $\frac{1}{30}$ of a grain.

No. 2. Diameter of pans, 2¾ in., with drawer for weights.....$12 00

No. 3. Diameter of pans, 3¾ in., with drawer for weights.....$12 75

No. 1 has countersunk basin to hold weights in.

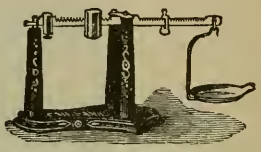


Fig. 308. Fairbank's Prescription Scales.

Japanned Base and nickel-plated beam.....$4 25

Nickel-plated base and beam.. 9 00

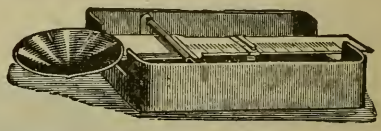


Fig. 309. Fitch's Pocket Prescription Scales, 75c.

Fig. 310. Hand Scales.

5-inch beam, 75c.

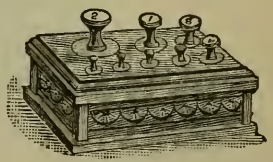


Fig. 311. Block Weights.

Nickel-plated Royal, Imperial and Antique Oak, in elegant designed and finished cherry block.

2 lb. to ¼ oz. Nickel-plated...$4 75

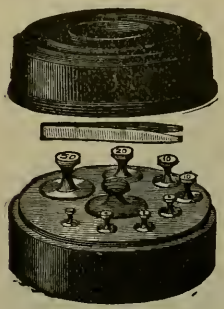


Fig. 312. Metric Weights.

In round Polished Wood Box with Pincet.

50 grain to 1 centigram.....$1 75

20 " 1 " 1 00

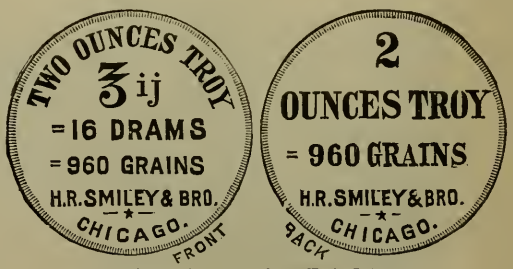


Fig. 313. Coin Weights.

2 drachms to ½ grain; Set, $0 30

½ oz. to ½ grain..... " 50

1 oz. to ½ " ..... " 75

2 oz. to ½ " ..... " 1 00

DISPENSING SUPPLIES AND DRUG SUNDRIES.

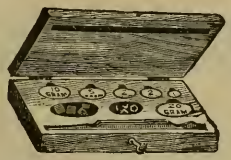


Fig. 320. GRAIN WEIGHTS.
In mahogany box, with pincet. Specially adapted for dispensing purposes. 300 grain piece to 1-10 grain, $1.75.

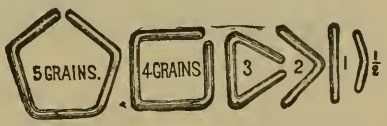


Fig. 321. Aluminum grain weights.
5 grains to ¼ grain, set 30c.

NEST WEIGHTS.

Capacity,	4	lbs., down...	Sealed iron,	$1 25	Cased brass,	$2 75
"	2	"	"	1 00	"	1 75
"	1	"	"	75	"	1 25

Fig. 322.

SCOOPS.

Horn, small	per doz	$0 60
" medium	per doz	90
" large	per doz	1 20

Fig. 323.

SUPPOSITORY MOULDS, plain folding	$2 00
Parker's "Common Sense"	5 00
Rectal, (in tin frame) 6 moulds, Fig. 331	50
" " 12 " "	90
Vaginal " 6 " "	85
" " 12 " "	1 50

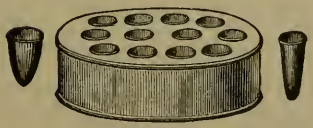


Fig. 331.

Fig. 332.

TAPE MEASURES. See page 965.

TWINES. Cotton, Sea-Island; assorted colors	per lb	40
" " " pink	per lb	40
" Hemp, coarse	per lb	30
" Linen, pink	per lb	65
" " red, spools	per spool	20

TWINE HOLDERS.

Iron, enameled	each	50
Brass, nickel-plated	each	1 25
Glass	each	60

DISPENSING SUPPLIES AND DRUG SUNDRIES

Alcohol Lamps, glass, 2 oz., Fig. 340	each $0 25
" " " 4 "	each 35
" Stoves, brass, plain	each 20
" " best quality	each 50

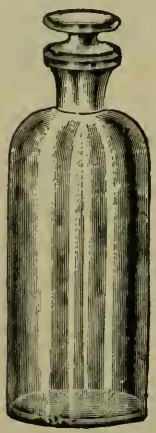


Fig. 205.

Fig. 206.

Fig. 207.

Fig. 208.

BOTTLES. Shelf.	Per Doz.
Tinctures, Fig. 207, 1 oz	$0 60
2 oz	75
4 oz	90
8 oz	1 05
16 oz	1 20
32 oz	1 35
Half gallon	2 40
One gallon	3 60
Salt Mouths, Fig. 206, 1 oz	75
2 oz	90
4 oz	1 05
8 oz	1 35
16 oz	1 50
32 oz	1 95
Half gallon	3 00
One gallon	4 80

DISPENSING SUPPLIES AND DRUG SUNDRIES.

BOTTLES, Shelf.

Syrups, made with loose stoppers, to obviate the difficulty of stoppers sticking, Fig. 205.

Pint.....$1 50
Quart..... 2 00
Half Gallon..... 3 00

Balsam or Oil, Fig. 208.

The great advantage of these bottles is, that instead of the liquor running over the outside, it is caught in a cup, and returns through an aperture into the bottle, preventing all waste, and keeping the bottle and shelf clean.

Pint..... 2 40
Quart..... 3 00
Half gallon..... 4 50

Truax, Greene & Co's Monogram Square. French Square. Philadelphia Ovals. Baltimore Ovals. Tall Blakes.

Prices are the same for French Square, Philadelphia Ovals or for Baltimore Ovals.

BOTTLES. Prescription, flint.

The dozen price will be charged for less than gross lots. Prices subject to market changes.

	Per gross in full cases	Per gross in less than full cases.	Per dozen in less than gross lots.
½ oz., 5 gross in case	$1 38	$1 50	$ 0 14
1 oz., 5 " "	1 38	1 50	14
2 oz., 3 " "	1 62	1 75	17
3 oz., 2 " "	2 00	2 20	20
4 oz., 2 " "	2 25	2 45	22
6 oz., 1 " "	2 75		27
8 oz., 1 " "	3 25		32
12 oz., " "	4 75		50
16 oz., ½ " "	5 50		60
32 oz., " "	8 75		80
Ass'd, 1 " "	½ to 8 ounces, per case		2 25

DISPENSING SUPPLIES AND DRUG SUNDRIES.

TRUAX, GREENE & CO'S MONOGRAM SQUARE VIALS. Best flint glass.

The dozen price will be charged in less than gross lots.

	Per gross in full cases.	Per gross in less than full cases.	Per dozen in less than gross lots.
½ oz., 5 gross in case	$1 50	$1 65	$0 16
1 oz., 5 " "	1 50	1 65	16
2 oz., 3 " "	1 75	1 95	20
3 oz., 2 " "	2 15	2 40	23
4 oz., 2 " "	2 40	2 70	26
6 oz., 1 " "	2 90	3 25	30
8 oz., 1 " "	3 40		35
12 oz., ½ " "	5 00		50
16 oz., ½ " "	5 80		60

PRICES FOR BOTTLES WASHED, CORKED AND WRAPPED.

½ oz.	per doz.	18	3 oz.	per doz.	30	8 oz.	per doz. 50
1 "	"	20	4 "	"	35	16 "	" 75
2 "	"	24	6 "	"	40		

For the convenience of physicians we have these vials well washed, corked with the best corks and wrapped with light manilla paper. The advantage of using these will be readily seen, for not only are the bottles always ready for use, with corks fitted, but a wrapper is supplied which can be used to re-wrap the vial after being filled and labeled. We supply to order gummed labels, printed with physician's name and address. See label page.

BOTTLES, Prescription, flint, Blake, Tall.

The dozen price will be charged in less than gross lots.

	Per gross in full cases.	Per gross in less than full cases.	Per dozen in less than full cases.
½ oz., 5 gross in case	$1 50	$1 70	$0 16
1 " 5 " " "	1 50	1 70	16
2 " 3 " " "	1 75	2 00	20
3 " 2 " " "	2 25	2 55	23
4 " 2 " " "	2 50	2 85	26
6 " 1 " " "	3 00	3 40	30
8 " 1 " " "	3 50	4 00	35
12 " ½ " " "	5 00		50
16 „ ½ " " "	5 75		60

HOMŒOPATHIC VIALS.

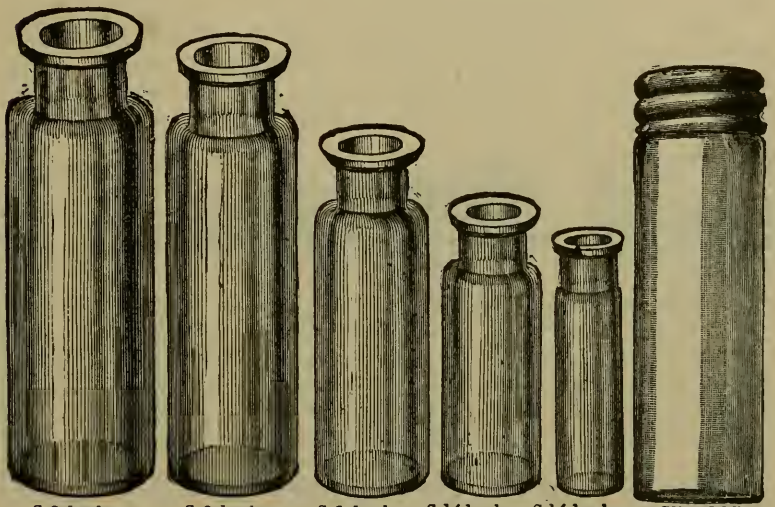
VIALS—HOMŒOPATHIC, flint, patent lip, heavy tubes:

¼	drachm,	1	gross in	box,	per gross	$0 70
⅓	"	1	"	"	"	70
1	"	1	"	"	"	75
1½	"	1	"	"	"	80
2	"	1	"	"	"	85
3	"	1	"	"	"	1 10
4	"	1	"	"	"	1 75

DISPENSING SUPPLIES AND DRUG SUNDRIES.

BOTTLES—Nickel-plated screw cap, Fig. 215.

1 drachm,	doz		$0 20
2	"	"	25
3	"	"	30
4	"	"	35



S. 3 drachm. S. 2 drachm. S. 1 drachm. S. ½ drachm. S. ¼ drachm. Fig. 215.

SCALE OF MILLIMETERS—In ordering case vials, please specify diameter and length, according to scale below.

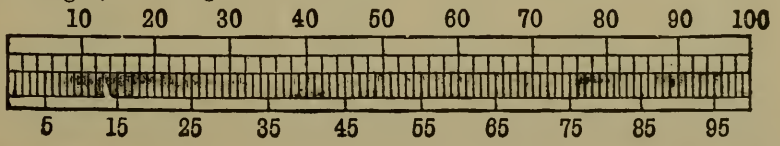


Fig. 220.

Fig. 222.

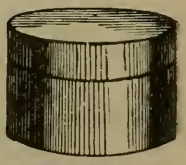


Fig. 224.

BOXES, Pill, paper, common red, nested, 4 sizes in nest, 12 nests or ⅛ gross in paper, Fig. 220.....gross $0 35

" " Bronze, shouldered, nested, 4 sizes in nest, 12 nests in paper, Fig. 224.....gross 75

This is much stronger than the ordinary red pill box, and will give good satisfaction.

DISPENSING SUPPLIES AND DRUG SUNDRIES.

BOXES, Pill, paper, No. 5, same as Fig. 224, holding about 2 doz. granules, 1 gross in box.....gross... $0 50
" " No. 6, same as Fig. 224, holding about 1 doz. 3 grain pills, 1 gross in box.....gross 60
" " No, 7, same as Fig. 224, holding about 2 dozen 3 grain pills, 1 gross in box.....gross 75
" " No. 8, same as Fig. 224, holding about 3 dozen 3 grain pills, 1 gross in box.....gross 90
" " French Edges, small, Fig. 222, 1 gross in box.....gross 65
" " " " medium, Fig. 222, 1 gross in box...gross 75
" " " " large, Fig. 222, 1 gross in box.....gross 85
" " Nested, same above, ¼ gross in paper.....gross 75

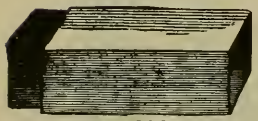


Fig. 226.

Fig. 229.

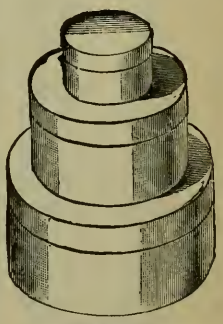


Fig. 230.

BOXES, Powder, slide, small, Fig, 226.....gross $0 80
" " medium, " .....gross 90
" " large, " .....gross 1 00
" " nested, " .....gross 90
BOXES, Tin, for ointment, pieced, 1 oz .....per 100 60
" " " 2 oz .....per 100 70
" " " 3 oz .....per 100 1 00
" " " 4 oz .....per 100 1 25
" " " 8 oz .....per 100 2 25
" " seamless, Fig. 229, 1 dr.....per 100 $0 30
" " " ¼ oz.....per 100 35
" " " ½ oz.....per 100 50
" " " 1 oz.....per 100 65
" " " 2 oz.....per 100 1 00
" " " 3 oz.....per 100 1 40
" " " 4 oz.....per 100 1 60
BOXES, Wood, turned, Fig. 230, ¼ oz.....gross 35
" ½ oz.....gross 50
" 1 oz.....gross 70
" 2 oz.....gross 1 00
" 3 oz.....gross 1 40
" 4 oz.....gross 1 65

CHAMOIS SKINS.

Small.....doz $2 00 to 3 00
Medium.....doz 3 50 to 5 00
Large.....doz 6 00 to 10 00

CORKS X or Common.

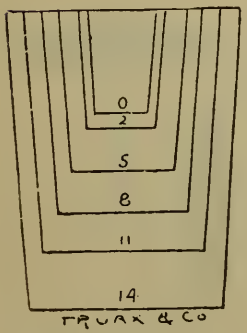
No. 3, 5 gross in sack, per sack. $ 37 In less quantities, per gross 10
No. 4..... " 45 .....per gross 12
No. 5..... " 58 .....per gross 15

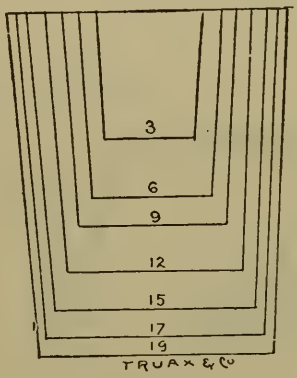
DISPENSING SUPPLIES AND DRUG SUNDRIES.

CORKS, X or Common.

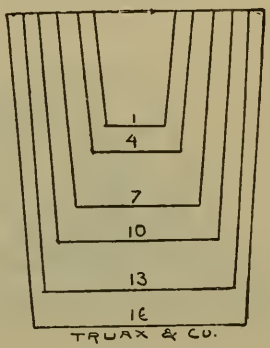
No. 6, 5 gross in sack, per sack		73	in less quantities	per gross	$0 20
No. 7	"	1 10		per gross	28
No. 8	"	1 40		per gross	35
No. 9				per gross	40
No. 10				per gross	55
Nos. 1 to 6, assorted for physicians, 5 gross in sack				per sack	45
Nos. 3 to 6	"	"	"	"	55

Sizes of Corks.





Order by Number.



CORKS, XX Selected.

No. 00, 5 gross in sack, per sack	$	61	In less quantities,	per gross	15
No. 0	"	61		per gross	15
No. 1	"	67		per gross	18
No. 2	"	74		per gross	19
No. 3	"	84		per gross	22
No. 4	"	1 05		per gross	25
No. 5	"	1 30		per gross	32
No. 6	"	1 60		per gross	38
No. 7	"	2 15		per gross	50
No. 8	"	2 60		per gross	60
No. 9				per gross	75
No. 10				per gross	90
No. 11				per gross	1 00
No. 12				per gross	1 10
No. 13				per gross	1 20
No. 14				per gross	1 35
No. 15				per gross	1 45
No. 16				per gross	1 60
Nos. 1 to 6, assorted for physicians, 5 gross in sack,				per sack	1 05
Nos. 3 to 6,	"	"	"	"	1 20

CORKS—Rubber.

No. 7	per doz	08	No. 6½	per doz	08
No. 6	"	06	No. 5½	per doz	10
No. 5	"	10	No. 4½	per doz	13
No. 4	"	13	No. 3½	per doz	16
No. 3	"	18	No. 2½	per doz	25
No. 2	"	30	No. 1	per doz	45
No. 0				per doz	50

DISPENSING SUPPLIES AND DRUG SUNDRIES.

Fig. 243.

Of Polished Brass, with Handle and Sharp Edges, six inches long.

CORK BORERS, in sets of six pieces, from $\frac{1}{8}$ to $\frac{13}{32}$ inch in diameter, Fig. 243, set $1 50
In sets of 12 pieces, from $\frac{1}{8}$ to $\frac{11}{16}$ inch in diameter.....set 3 50
Diameter of sets, 6—$\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$ $\frac{3}{8}$, $\frac{13}{32}$;
12—$\frac{7}{16}$, $\frac{15}{32}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$ inch.

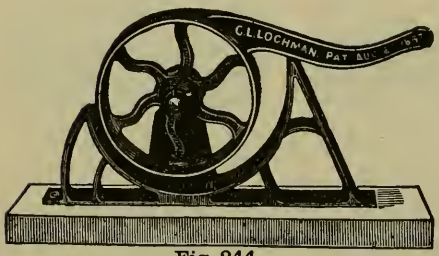


Fig. 244.

Fig. 249.

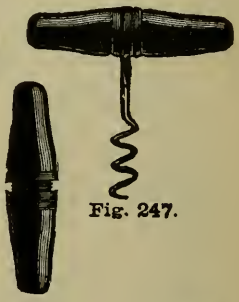


Fig. 247.

CORK PRESSES, Rotating, Fig. 244.....each $0 75
Lever, Fig. 251.....each 30
CORKSCREWS, Common, wood handle, each 10c. to 35
Common, wire, pocket folding each 20c. to 25
Hard rubber, pocket folding, Fig. 247, each 50

Fig. 251.

ENVELOPES, Drug, for powders, white, No. 1.....per thousand $0 60
" " " 2..... " " 70
" " " 3..... " " 80

Fig. 252.

Fig. 253.

Fig. 258.

FLASKS, Pocket, leather covered, metal screw-top and metal cup, Fig. 252.
¼ pint.....each $0 80
½ pint.....each 1 00
¾ pint.....each 1 25

Fig. 259.

DISPENSING SUPPLIES AND DRUG SUNDRIES.

FILTER PAPER, Gray, round, 6 inch.....quire $0 08
" " " 10 inch.....quire 10
" " " 13 inch.....quire 13

FILTER RACKS, Fig. 253, squeezers.
5 inch.....each 35
7 inch.....each 45
9 inch.....each 60

FILTER STAND, Three ring.....each 75
Four ring. Fig. 260.....each 1 00

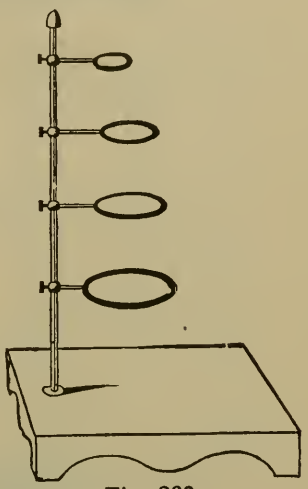


Fig. 260.

	Plain.	Ribbed.
FUNNELS, Glass, 1 oz., Fig 259..each	$0 08	
Glass, 2 oz.....each	10	
" 4 oz.....each	12	each $0 15
" 8 oz.....each	15	each 20
" 16 oz.....each	20	each 25
" 32 oz.....each	25	each 35
Half gallon.....each	35	each 45

GRADUATES, Minim.....each 20
½ oz.....each $0 15
1 oz.....each $0 15
2 oz.....each 20
3 oz.....each 25
4 oz.....each 30
6 oz.....each 35
8 oz., Fig. 258.....each 40
Pints.....each 60
Quarts.....each 1 00

Double Scale, Ounces on one side and cubic centimeters on the other.
1 oz. and 30 cubic centimeters.....each 25
2 " " 60 " " .....each 30
4 " " 120 " " .....each 45
8 " " 250 " " .....each 60
16 " " 500 " " .....each 90

Fig. 262.

Fig. 263.

Fig. 265.

JARS, Earthern, white, flat top, Fig. 263.
1 oz.....doz $0 80
2 oz.....doz 90
4 oz.....doz 1 00
8 oz.....doz 1 20
16 oz.....doz 1 50
32 oz.....doz 2 50

DISPENSING SUPPLIES AND DRUG SUNDRIES.

Jars, Glass, with wood cover, Fig. 265.

¼ oz	doz	30
½ oz	doz	35
1 oz	doz	40
2 oz	doz	50
4 oz	doz	65

Glass, with nickel-plated screw cover, Fig. 262.

¼ oz	doz	35
½ oz	doz	40
1 oz	doz	50
2 oz	doz	60
4 oz	doz	85

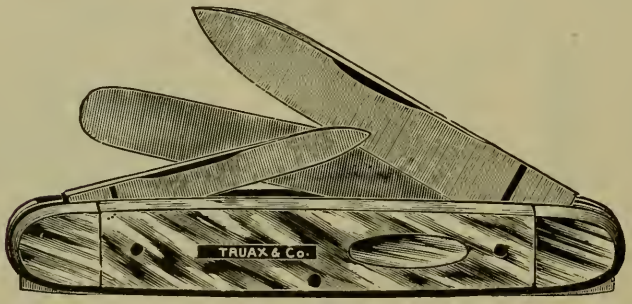


Fig. 270.

KNIFE, Physicians', 3 blades and spatula, pearl handle, Fig. 270 ..... $1 25

LABELS, Drug, for dispensing bottles, in books, assorted ..... book 75

Dispensing. See sample page.

Glass, for furniture bottles, assorted ..... each 9c. to 12

" Imitation, samples sent on application ..... each 06

The prices given are for loose labels—an additional charge will be made for attaching.

Fig. 274.

Fig. 275.

Fig. 276.

MORTARS, Glass, Fig. 274. Prices vary according to weight.

1 oz	about	$0 20
2 oz	about	25
4 oz	about	35
8 oz	about	40
16 oz	about	75
32 oz	about	1 00

DISPENSING SUPPLIES AND DRUG SUNDRIES.

MORTARS,

Iron, half pint, Fig. 275	each	$0 35
Pint	each	45
Quart	each	60
Half gallon	each	85
One gallon	each	1 35

Porcelain.

2 oz	each	35
4 oz	each	60
8 oz	each	80
16 oz	each	1 15
32 oz	each	1 75

Wedgewood, Fig. 276.

No. 0000,	3 inches across top,	2 ounces	each	25
No. 000,	3¼ "	" 3 "	each	30
No. 00,	3½ "	" 4 "	each	35
No. 0,	4 "	" 6 "	each	40
No. 1,	4½ "	" 11 "	each	50
No. 2,	5 "	" 16 "	each	55
No. 3,	6 "	" 24 "	each	65
No. 4,	6½ "	" 30 "	each	80
No. 5,	7 "	" 40 "	each	1 00
No. 6,	8 "	" 48 "	each	1 25
No. 7,	8½ "	" 3½ pints	each	1 60
No. 8,	9½ "	" 4½ "	each	2 00
No. 9,	10½ "	" 7 "	each	2 40
No. 10,	12 "	" 10 "	each	2 75
No. 11,	13 "	" 13 "	each	3 25
No. 12,	14 "	" 17 "	each	3 60

PAPER, Powder, pink or white, in packages of 1,000 sheets.

No. A, size 2 x3	per package	12
No. B, " 2½x3¼	per package	17
No. C, " 2½x3½	per package	17
No. D, " 2¾x3¾	per package	20
No. E, " 3 x4	per package	25
No. F, " 3¼x3¼	per package	25
No. G, " 3½x3¾	per package	30

PAPER BAGS, Manilla.

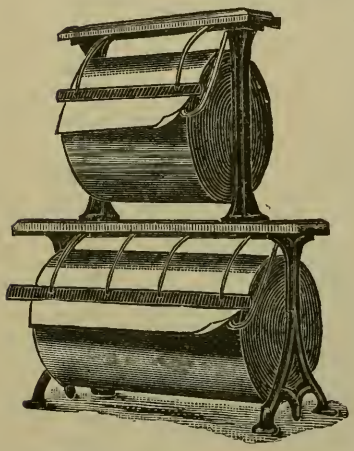
¼ lb	per hundred	12
½ lb	per hundred	14
1 lb	per hundred	18
1½ lb	per hundred	20
2 lb	per hundred	25
3 lb	per hundred	30
4 lb	per hundred	35
5 lb	per hundred	40

DISPENSING SUPPLIES AND DRUG SUNDRIES.

PAPER, WRAPPING, Manilla or white.

7x 8 for 1 and 2 oz. bottles	per lb	$0 10
8x 8½ " 3 " 4 "	per lb	10
9x10 " 6 " 8 "	per lb	10
12x12 " 12 " 16 "	per lb	10
15x15 " 32 "	per lb	10
24x36	per lb	10
Rolls any width	per lb	10

PAPER ROLL CUTTER.



Japan and hardwood finish, all sizes, 6 to 36 inches, each 1 50
High pyramid, three sizes in one rack 4 50
Flat " " " " " two high 4 50
Double " two high 3 00

Nickel plating, 50 cents extra, each machine.

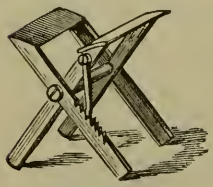


Fig. 282.

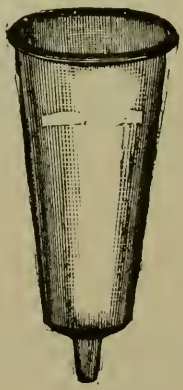


Fig. 280.

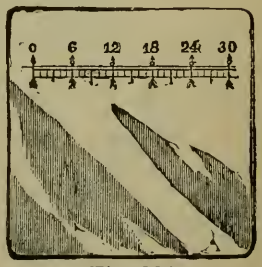


Fig. 284.

PERCOLATORS.

Glass, Conical, Pints, Fig. 280	each	$0 30
" " Quarts	each	40
" " One-half gallon	each	50
" " One gallon	each	75
" " Two gallons	each	1 25

PILL MACHINES, Brass, side rollers.

To cut 18 pills, 3 grains	each	3 75
" 24 " 4 and 5 grains	each	4 25

PILL TILES, porcelain, Fig. 284.

8 inches square	each	75
9 " "	each	1 00
10 " "	each	1 25
8x10 inches	each	1 00
10x12 "	each	1 75

POWDER FOLDERS, Fig. 282 each 1 50

POWDER PAPERS, See Paper.

DISPENSING SUPPLIES AND DRUG SUNDRIES.

Fig. 327.

SPATULAS, solid steel, nickel plated. Fig. 327.

3 inch	each	$0 30
4 inch	each	35
6 inch	each	45
8 inch	each	65
10 inch	each	1 00

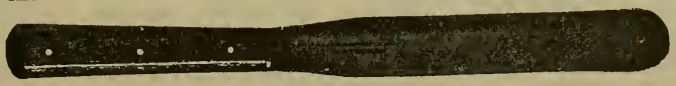


Fig. 328.

Cocoa Handle, Riveted.

3 inch	each	20
4 inch	each	20
6 inch	each	30
8 inch	each	40
10 inch	each	75

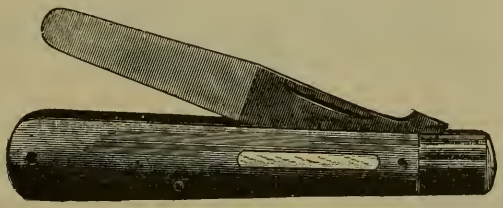


Fig. 330.

Folding Ivory Handle, Fig. 330 ..... each $0 75

CHEMICAL GLASSWARE AND APPARATUS.

ALCOHOL LAMPS, Fig. 340, with burner and ground glass cap; 2 oz	each	25
4 oz	each	35
BEAKERS, 1 oz., Fig. 345	doz	1 00
2 oz	doz	1 15
4 oz	doz	1 75
8 oz	doz	2 25
10 oz	doz	3 00
Nested, Fig. 345, 2 to 10 oz., 5 in nest	nest	85
BELL GLASSES, Short, Fig. 341, 4 inches in diameter	each	50
6 inches in diameter	each	75
8 " " "	each	1 15
Tall, ½ pint	each	35
1 pint	each	50
2 pint	each	65
4 pint	each	1 10
BLOW PIPES, Jewelers' form	each	75
Plain	each	20

CHEMICAL GLASSWARE AND APPARATUS.

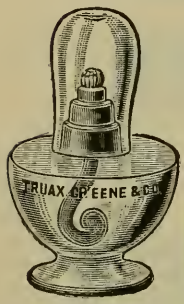


Fig. 340.

Fig. 341.

Fig. 342

Fig. 343.

Fig. 344.

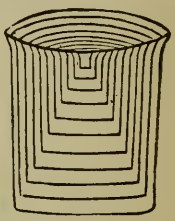


Fig. 345.

BOTTLES, Acid, long stop, Fig. 342 ..... each $0 50
Chloroform or Ether, glass stops and glass caps, Fig. 343.
One-fourth pint ..... each 75
Half pint ..... each 90
Pint ..... each 1 00
BUNSEN BURNERS, with stop to regulate the admixture of air, Fig. 344, each 50
BURETTES, Mohr's, graduated in one-fifths, Fig. 351.
25 c. c ..... each 1 40
40 c. c ..... each 2 00
100 c. c ..... each 3 40
Same, with stop cock. Fig. 352.
25 c. c ..... each 2 75
50 c. c ..... each 3 25
100 c. c ..... each 4 25
BURETTE HOLDERS, for 6 Burettes ..... each 4 00
CRUCIBLES ..... each 10c to 50

Fig. 350.

Fig. 351. Fig. 352.

Fig. 353.

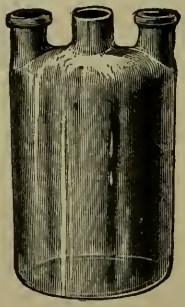


Fig. 354.

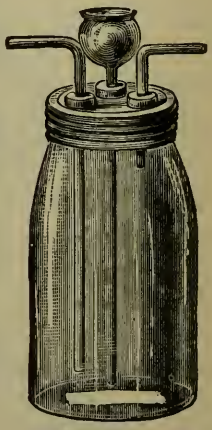


Fig. 355.

CHEMICAL JAR, pint, Fig. 355 ..... each $0 75
Quart ..... each 85
2 Quart ..... each 1 00
DROPPERS, see page 732.
DROP BOTTLES, Fig. 359 ..... each 25

CHEMICAL GLASSWARE AND APPARATUS.

EVAPORATING DISHES, Porcelain, with lip, Fig. 360.

1 oz	each	$0 20
2 oz	each	25
4 oz	each	35
8 oz	each	45
16 oz	each	60
32 oz	each	85
½ gal	each	1 25

Glass, see page 973.

FLASKS, Chemical, best Bohemian, round or flat bottom.

4 oz., Fig. 353	each	18
8 oz	each	20
16 oz	each	25
32 oz	each	35
½ gal	each	55
1 gal	each	85

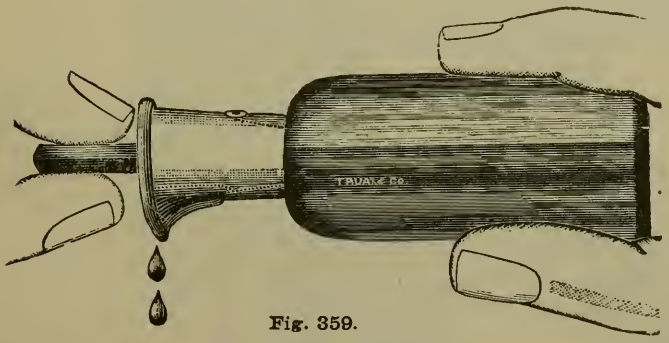


Fig. 359.

Bottle Dropper, 25c.

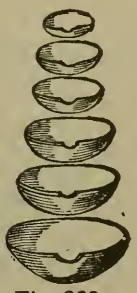


Fig. 360.

HYDROMETERS, Acid	each	$0 50
Coal oil	each	50
Milk	each	50
Spirits	each	50
Syrup	each	50
U. S. Custom House—with thermometer	each	1 25

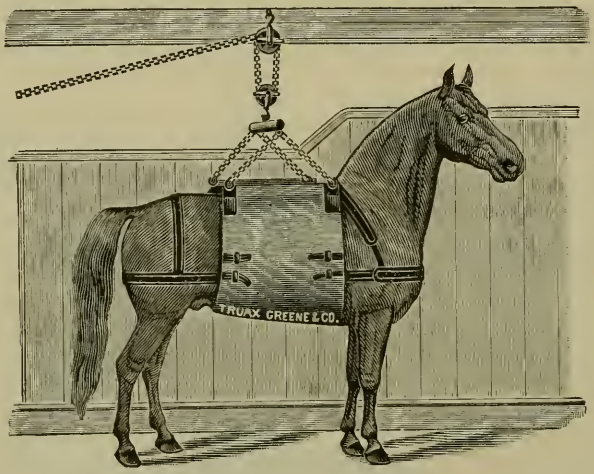
HYDROMETER JARS, on foot

8 inches high, Fig. 350	each	30
10 "	each	40
12 "	each	50
15 "	each	60

JARS, Philadelphia, for Ligatures, anatomical specimens, etc., Fig. 384.

3 x 7	inches,	1 pint,	$0 50	6x12 inches	1 50
3 x10	"	1 quart,	55	6x18 "	1 85
3 x18	"	3½ pts.,	75	9x12 "	3 00
4½x 6	"	1 quart,	75	9x18 "	3 50
4½x 8½	"	3 pts.,	85	9x23 "	4 00
4½x11½	"	½ gal.,	1 00	9x36 "	7 00
6 x 8	"	1 gal.,	1 30		

HORSE SLINGS.



Net Prices.

Fig. 11590. Slings, complete with Tackle and Pulley Block $25.00
" " " " " Self-locking Pulley Block 38.00
" without Tackle and Pulley Block 20.00

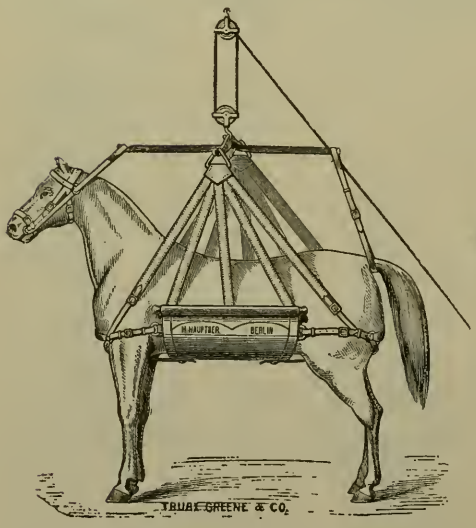


Fig. 11592. Hauptner's Sling, complete, $35.00.

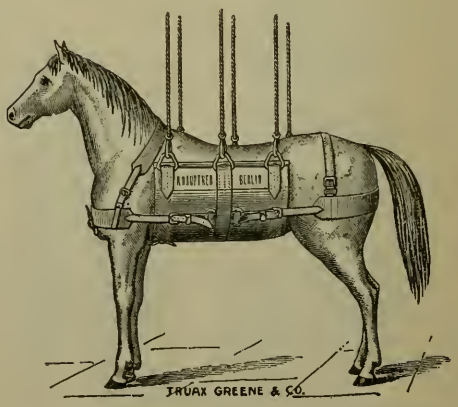


Fig. 11594. Berlin Sling, $25.00.

Orders for Slings by telegram will receive prompt attention.

OPERATING TABLES.

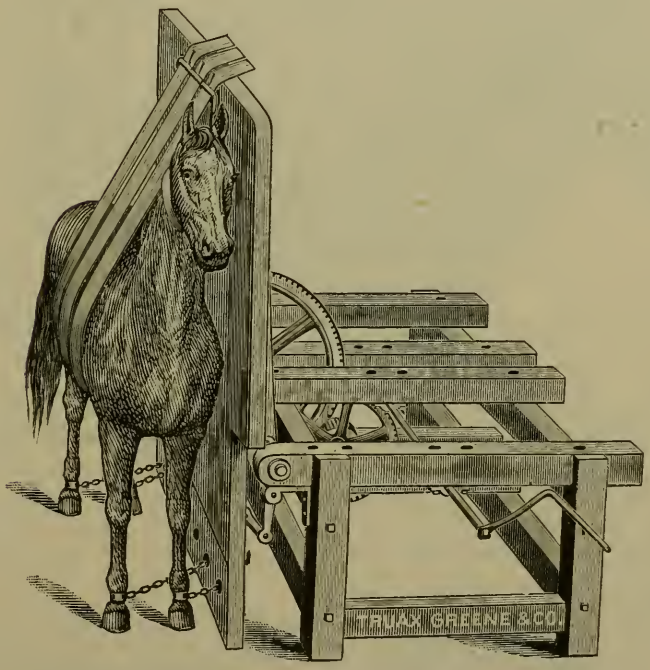


Fig. 11599. Truax, Greene & Co.'s Operating Table.

As shown in the illustration, this table offers superior advantages to any heretofore manufactured. The table is not only stronger and of better construction, but it enables the operator to handle the heaviest of horses with ease and celerity.

OPERATING TABLES.

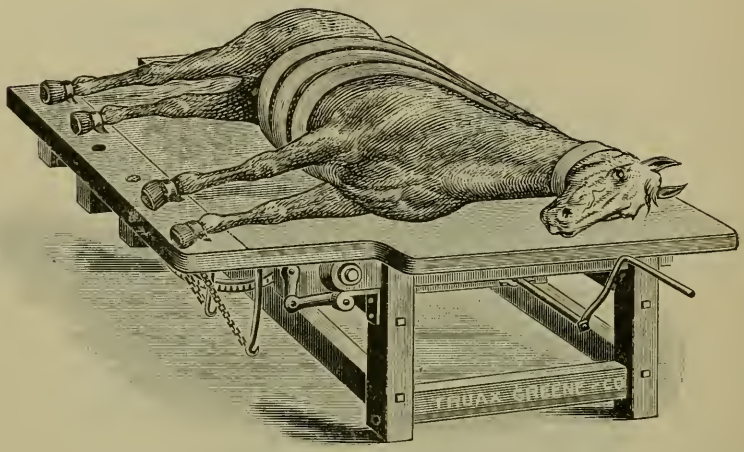


Fig. 11600. Truax, Greene & Co.'s Operating Table.

In its operation, the horse is lifted from the floor or ground as soon as the table is moved. Unlike other tables in the market, the feet of the animal are not dragged for a greater or lesser distance, because the horse is carried gently and easily from a vertical to a horizontal position. The hobbles are easily adjusted and work automatically, securing the horse in a perfect, safe position, thus avoiding any danger to the operator.

The construction of half-circle cog-wheel and its attachments is such that they have a direct bearing and the machine is so easily operated that a boy can handle it.

The three heavy girths which pass around the animal are fastened at each end with a patent cam-buckle in such a manner that they will not break loose or detach while undergoing the greatest pressure. They will remain firmly in place until the return of the horse to a standing position.

The framework is constructed of heavy timbers, while the table top is of two-inch plank matched and grooved. It is covered with thick canvass nicely upholstered and presents a neat and attractive appearance.

The table top is 7 feet wide and 9 feet long.

The table may be bolted to a floor or attached to a framework fastened in the ground.

Price net, delivered F. O. B. Chicago..... $100.00

HOBBLES, CHLOROFORM INHALER AND OPERATING HOOD.

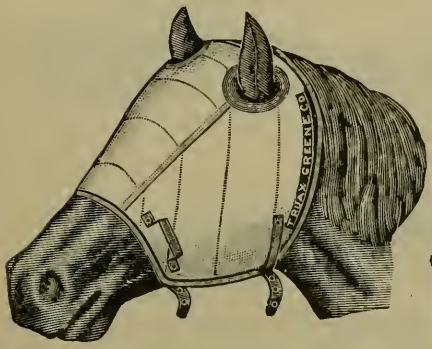


Fig. 11602. Operating Hood..... $3.00

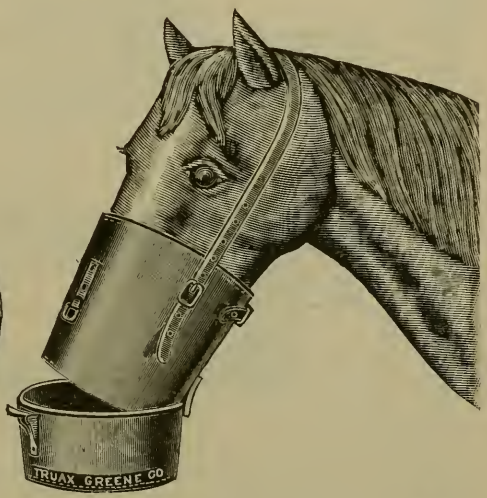


Fig. 11604. Chloroform Inhaler..... $5.00

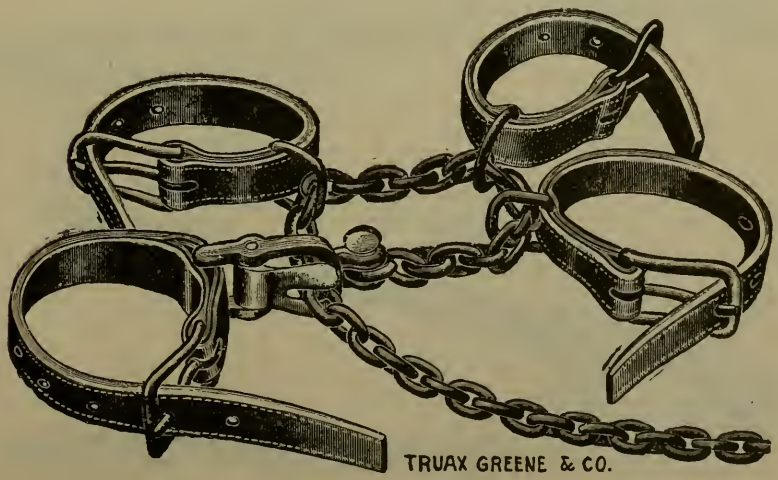


Fig. 11606. A. H. Baker's Casting Hobbles..... .....set, $10.00

CLIPPERS, ETC.

Fig. 11610. Burning Iron.....$2.00

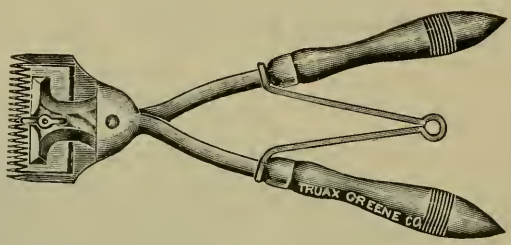


Fig. 11613. The Dandy Clipper.....$1.50

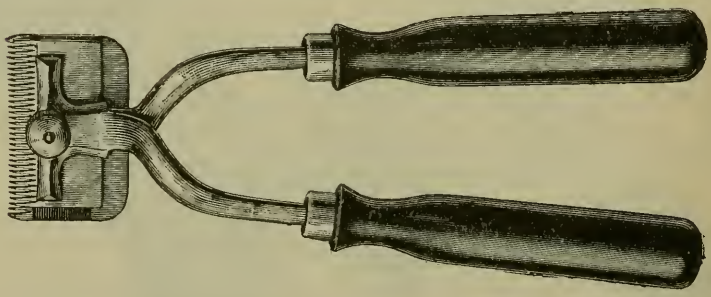


Fig. 11614. The "Lenox." Extra Finish, Detachable Plates.....$2.25

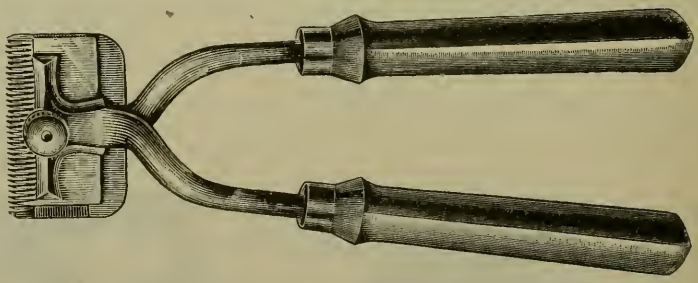


Fig. 11616. The "American Horse." Extra Finish, Oval Handles, Detachable Plates.....$2.50

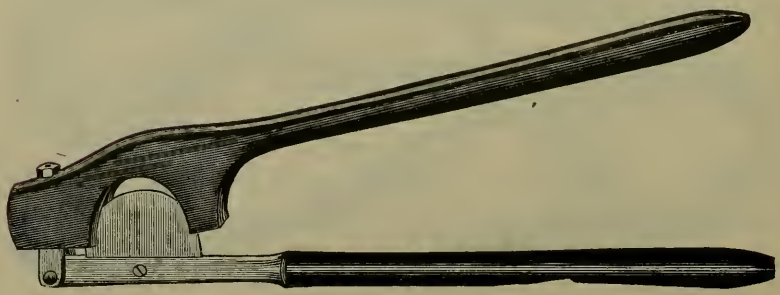


Fig. 11617. Docking Shears.....$8.00 net.

CLIPPERS.

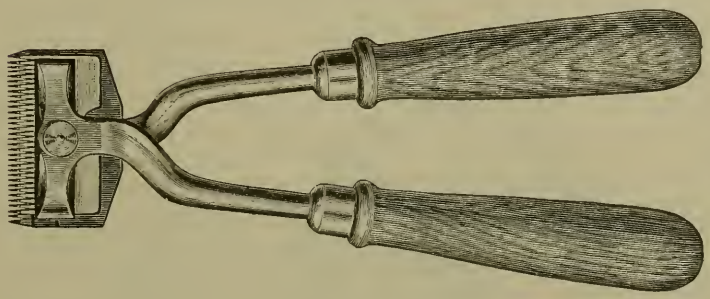


Fig. 11620.

No. 62, O. K. Full Nickel Finish, Detachable Plates..... $3.00

The best Clipper made. Simplicity in construction. Finest nickel finish. Interchangeable parts.

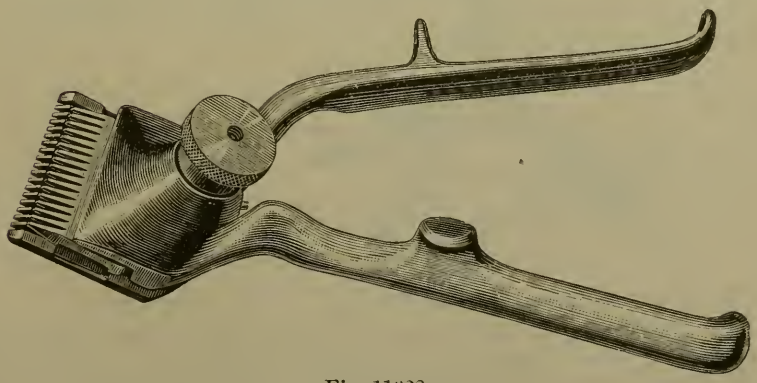


Fig. 11622.

No. 101A.	Cuts $\frac{1}{32}$ inch.....	each,	$3.00
	With Removable Comb, cuts $\frac{3}{16}$ or $\frac{1}{4}$ inch.....	"	4.00
No. 101B.	Cuts $\frac{1}{8}$ inch.....	"	3.00
	With Removable Comb, cuts $\frac{1}{4}$ or $\frac{5}{16}$ inch.....	"	4.00

CLIPPERS.

HAND POWER MACHINE.

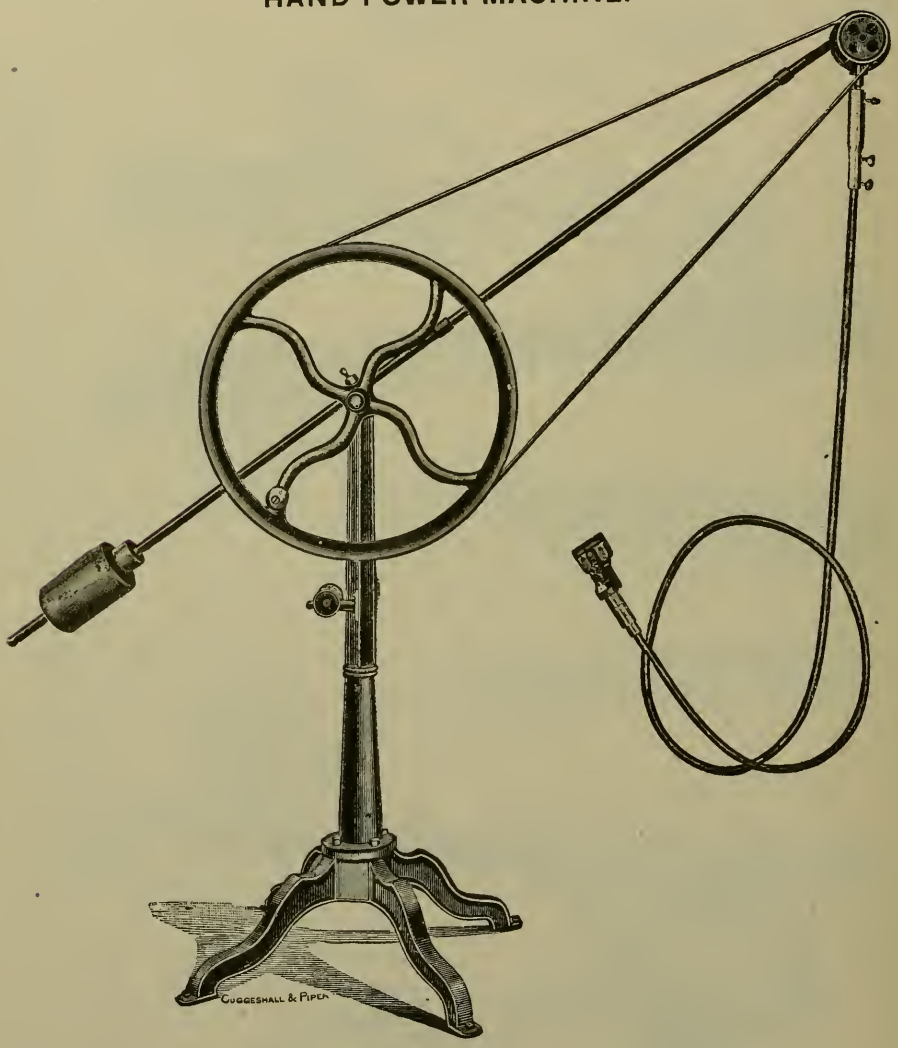


Fig. 11625. No. 2 Power Horse Clipping Machine.

This machine is designed for a powerful, light running, hand power clipping machine, and is intended to meet the demand for a solid, well-built, durable machine of the No. 2 type. This machine can be run by hand power only, and admits the choice of handles, either vibrating or rotary, also drop or flexible shaft. Weight of machine, boxed for shipment, 178 lbs.

No. 2. Hand Power Machine, complete	$50.00
No. 3. " " " style of No. 2 only lighter	35.00
Extra Cutting Heads, 3-inch	3.00
" Top Plates	1.25
" Bottom Plates	2.00

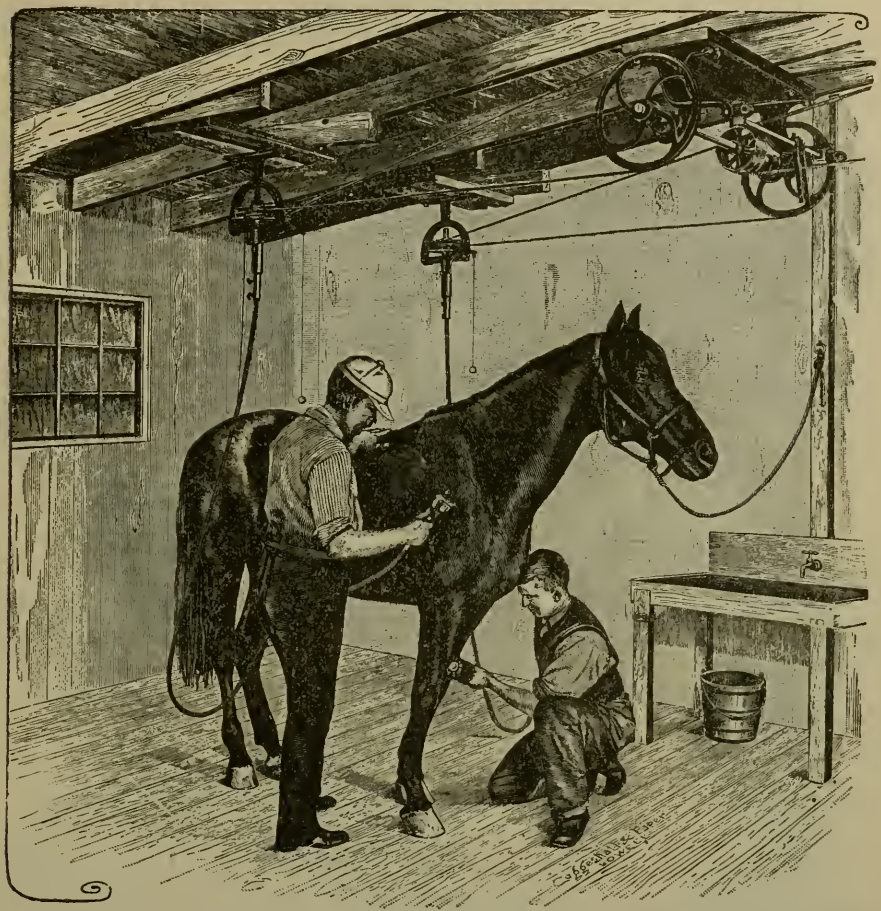


Fig. 11640. No. 7. The Perfect Power Horse Clipping Machine.

No. 7. Complete, with Vibrating or Rotary Handle.....$100.00
With Single Shaft and Handle 60.00

The above machine is furnished with one extra set of three Cutting Heads for each shaft.

Grooming Brushes furnished with this machine at $5.00 each

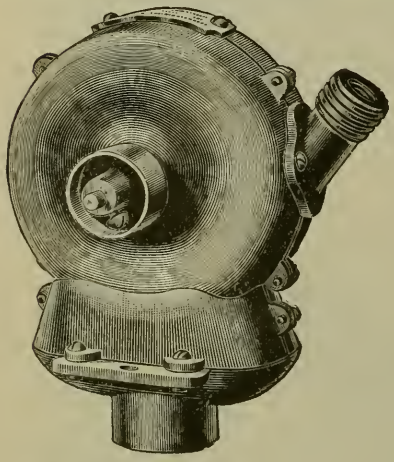
This machine is designed for a power Clipping Machine, to be used in large stables where there are many horses to be clipped in a limited time. Two men can work on opposite sides of the horse at the same time.

This machine is also constructed with the idea of making it a perfect power Clipping Machine, especially adapted for turning out a large amount of work in a short time.

A fair time for clipping and grooming a horse with this machine is thirty minutes.

This machine may be run by steam, gas, water, or electric motor power. See Water Motor.

THE ALTERNATE BUCKET WATER MOTOR.



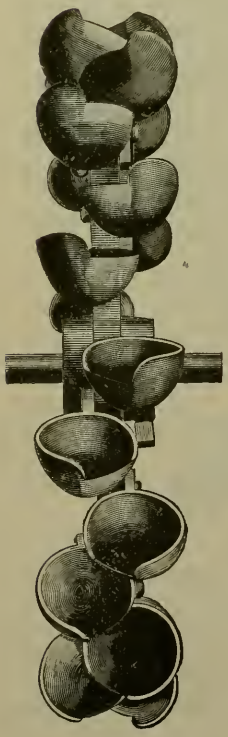
PATENTED AUGUST 8, 1893.

The cheapest in first cost. The best and most economical power for running horse cleaning and clipping machinery.

Price, 8-inch Motor..... $35.00

Made entirely different from others, by which from 30 to 50 per cent. better results are obtained than from any other water motor made.

As shown in lower cut, the buckets are placed alternately on the periphery of the wheel, and are so shaped that the water after striking them is shunted to the sides and does not dash back against the following buckets and retard their motion. All other motors are subject to this retarding action, because the buckets or paddles are placed in a continuous line, and the back action of the water causes a vast amount of lost power. The power developed with our motor is all the way from 1-16 to 10 horse, depending upon the pressure of the water, size of jet, and other conditions. These vary so much in this country that we do not give a detailed list of our motors with prices. If intending to put in any power, or you desire to change your present motive power, and have water power in your city, please address us, giving particulars in reference to machines you wish to operate; also the water pressure at your place of business (this you can easily obtain from your water office superintendent), and other information which you think necessary, and on receipt of such information we will inform you of the size and price of motor necessary to do your work.



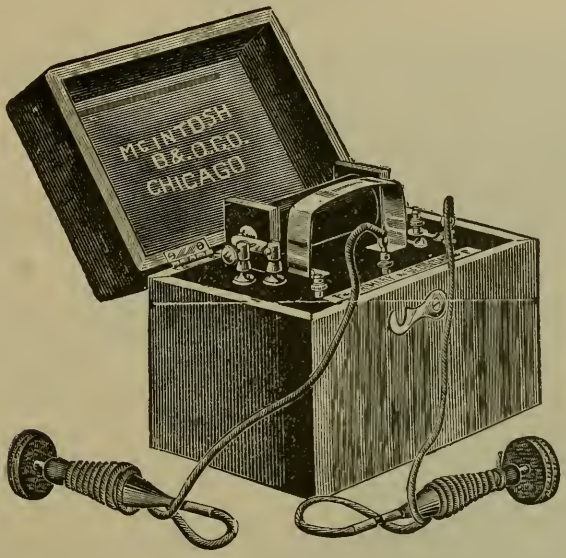
We are rapidly displacing motors of other makes with the "Alternate" on account of the additional power developed by ours under same conditions, and can refer you to any of them to bear out our assertions. Correspondence solicited.

WESTERN LEATHER MFG. CO.,

81 Illinois Street, Chicago. Sole Manufacturers.

ORDERS MAY BE SENT TO CHAS. TRUAX, GREENE & CO.

BATTERIES.



McIntosh Family Faradic Battery, net price..... .....$ 7.50
McIntosh Physicians' Faradic Battery, net price..... 13.50

A COMBINED GALVANIC AND FARADIC BATTERY.

Consists of two distinct batteries inclosed in one case, for convenience in carrying.

A combined battery should be light in weight, so that it can be comfortably handled.

It should be simple in construction, so that those not gifted with mechanical training can understand how to manage it.

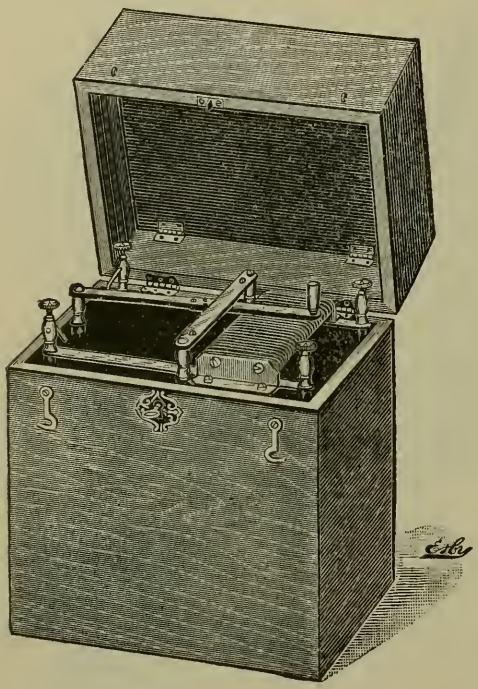
It should be easily cleaned and kept in order, so that it may be intrusted to an unskilled attendant for charging, cleaning and recharging.

It should consist of two distinct instruments in one case, so that each battery can be used the same length of time without recharging, which is not the case when the same cells must provide both kinds of electricity.

COMBINED GALVANIC AND FARADIC BATTERY.

Prices.....12-cell, $30.00; 18-cell, $39.40; 24-cell, $50.65

BATTERIES.



TRUAX, GREENE & CO.'S

Actual

CAUTERY

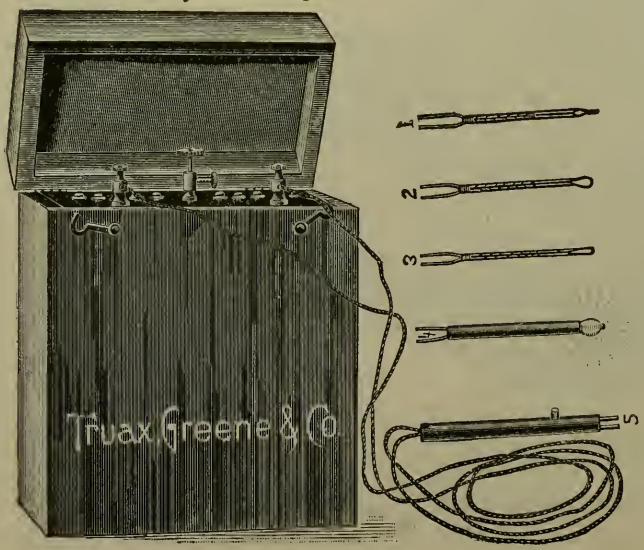
STORAGE

BATTERY.

Write for Prices and Description.

THE FEDDERN CAUTERY BATTERY.

This Battery is far superior to any of the cheap Cautery Batteries in the market, besides being lower in price.



In addition to the Cautery Electrodes we supply a small electric lamp, which will be found invaluable for illuminating any of the cavities of the body.

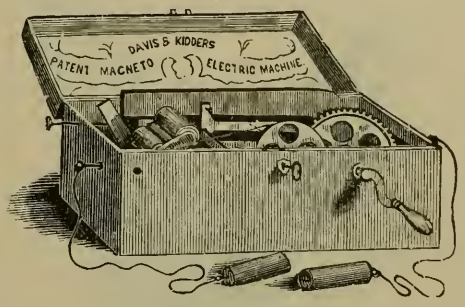
Price of Battery with Conducting Cords, Universal Handles with interrupting button, one Cautery Point, one Cautery Curette, and one Cautery Knife:

Net..... $18.00

Electric Lamp, extra..... 3.50

BATTERIES.

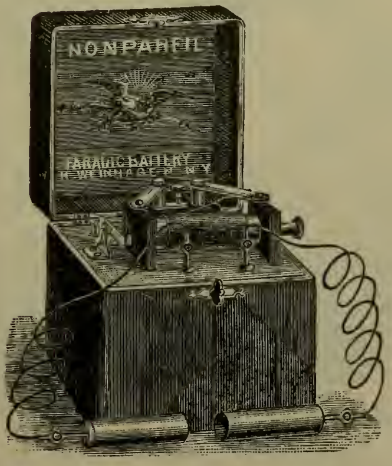
DAVIS & KIDDER'S ELECTRIC MACHINE.



Price..... $7.50

NONPAREIL No. 1. A THREE-CURRENT FARATIC BATTERY.

FOR MEDICAL USE.



Size, $5\frac{1}{2} \times 5\frac{1}{4} \times 5\frac{1}{4}$.

The merits of this battery will be easily appreciated, as possessing neatness of design, simplicity of operation, and superiority of material, workmanship, and the production of a pleasant and uniform electric current, both mild and powerful. These qualities have heretofore only been found to exist in expensive and unnecessarily complicated machines.

Net Price..... $4.50

TRUAX, GREENE & CO'S MICROSCOPES.

THE PRACTITIONER'S MICROSCOPE, NO. 2.

Price, with one eye-piece, in case, no objective..... $20 00
Price, with one eye-piece, in case, one-fourth, one-half and one-inch Student's Dividing Objective, giving 100, 200 and 400 diameters 28 00
Price, with Gundlach's Dividing, one-fourth and one-inch objective, giving 100 and 400 diameters, 32 00

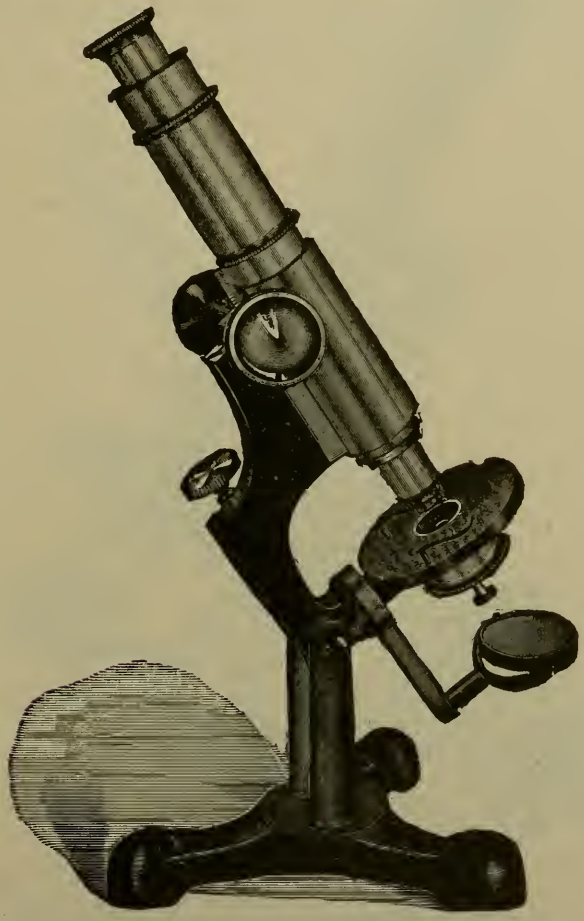
This microscope is designed to meet the wants of schools, colleges, and those who need a well-made instrument at a low price. Height with draw-tube closed, 11½ inches; draw-tube open, 14 inches. The base, arm and pillars are neatly japanned; the arm is securely held between two pillars by a strong steel pinion, which allows the inclination of the body at an angle.

The body tube is large (one and three-eighths inches diameter), and carries the draw-tube (one and one-fourth inches inside diameter), which holds the eye-piece.

The sub-stage ring carries an adjustable diaphragm. All accessories can be used on this stand without any change. It has a mirror-bar, carrying plane and concave mirror, which may be swung above the stage for the illumination of opaque objects.

The coarse adjustment is by means of a sliding tube, which gives a smooth and firm movement. The fine adjustment is delicate, and will do the work of the finest instrument.

TRUAX, GREENE & CO'S MICROSCOPES.



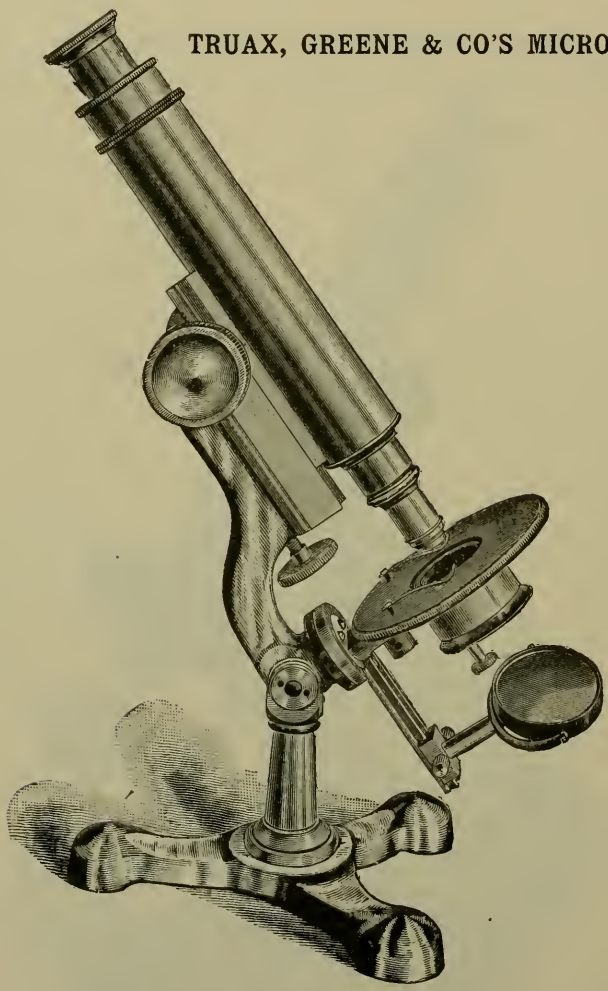
THE PRACTITIONER'S MICROSCOPE, No. 1.

Price, with one eye-piece, in case, no objective.....$25 00
Price, with one eye-piece, one-fourth, one-half and one inch Student's Dividing Objective, giving 100, 200 and 400 diameters..... 33 00
Price, with one-fourth and one inch Gundlach's Dividing Objective, giving 100 and 400 diameters..... 37 00

This microscope is constructed after the same model as our Practitioner's No. 2—is the same size, and the working parts are the same, with the addition of a rack and pinion movement of long range for coarse adjustment, which works perfectly smooth and steady.

We believe there is no microscope on the market for the above price that will compare with this instrument.

TRUAX, GREENE & CO'S MICROSCOPES.



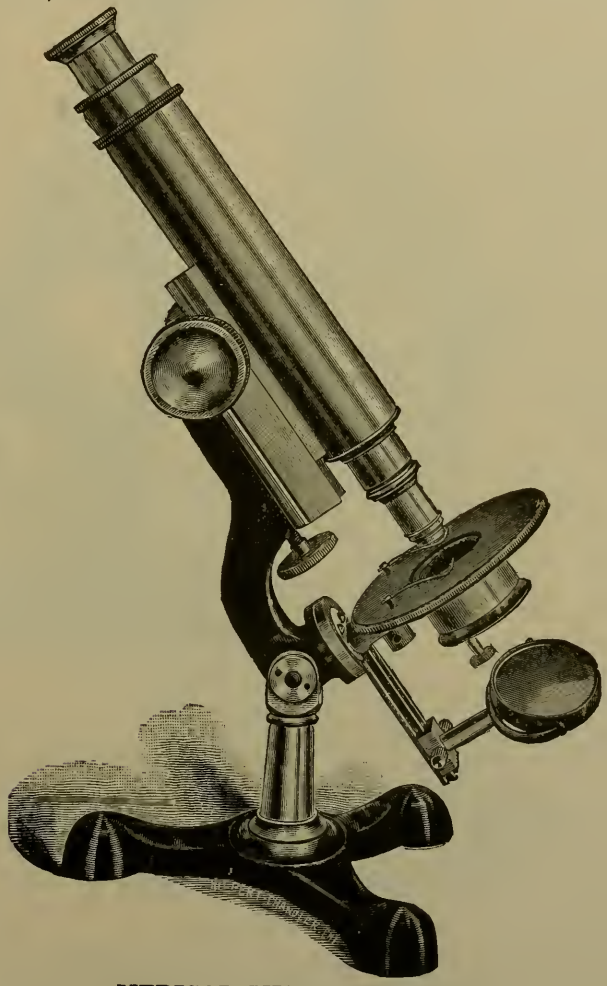
THE MEDICAL MICROSCOPE, No. 2.

Price, with one eye-piece (no objective).....$35 00
Price, " " " and ¼ and 1 inch Dividing Objective..... 47 00
Price, " " " one ¼ and 1 inch Dividing Objective, also one ⅛ inch Objective, giving 100, 400 and 800 diameters..... 65 00

Our Medical Microscope No. 2 is designed to meet the wants of those who need a moderate priced, substantial and accurately working instrument. It is especially adapted to the physician in his clinical work. The base and arm are finely japanned; the pillar is made of lacquered brass, and the joint has strong steel bearings. The body tube is 6¾ inches long, and 1⅜ inches in diameter, and is provided with the society screw. The draw tube is nickel-plated, 6 inches in length, with an inside diameter 1¾ inches. The coarse adjustment is made with rack and pinion of long range, which works perfectly smooth. The fine adjustment is made with a milled head screw, which moves the entire body, and is capable of focusing the highest powers. It has a circular rotating stage, 3¾ inches in diameter, blackened to cut off

TRUAX, GREENE & CO'S MICROSCOPES.

reflection; a movable sub-stage ring and diaphragm. The mirror is plane on one surface, concave on the other, and slides on a radial arm which can be swung in a circle above the stage for the illumination of opaque objects. The stand with draw tube closed is 14 inches high, and is furnished packed in a nicely finished mahogany case, with drawer, lock and handle.



MEDICAL MICROSCOPE, No. 1.

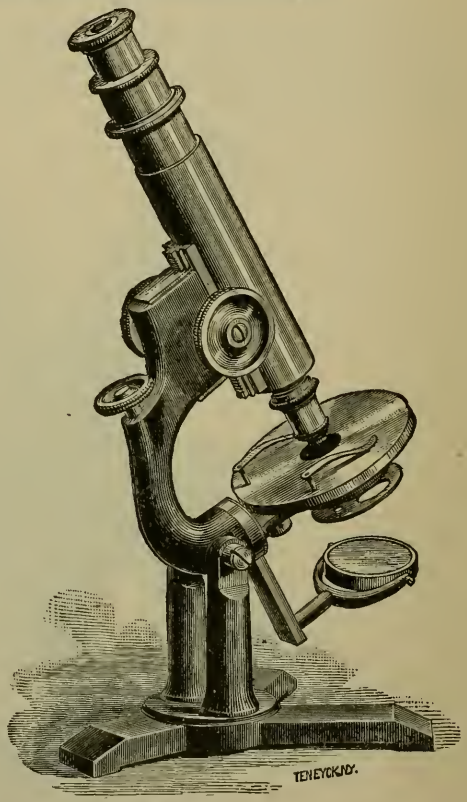
Price, with one eye-piece (without Objective) $45 00
Price, " " " and ¼ and 1 inch Dividing Objective 57 00
Price, " " " one ¼ and 1 inch Dividing Objective, also one ⅛ inch Objective, giving 100, 400 and 800 diameters 75 00

This microscope is constructed after the same model as our Medical No. 2 and has the same working parts. It differs from it in being more finely finished, and having the base and arm of lacquered brass instead of being japanned.

BAUSCH & LOMB OPTICAL CO. MICROSCOPES.

The tripod base, pillars and arm are neatly japanned, coarse adjustment is by rack and pinion, fine adjustment by delicate micrometer screw. The stage is of brass; attached to its lower surface is a sub-stage ring carrying dome diaphragm. Main tube has cloth lining in which graduated draw-tube is fitted; mirrors are plane and concave and adjustable on the mirror base.

Polished cherry-wood case accompanies each outfit.

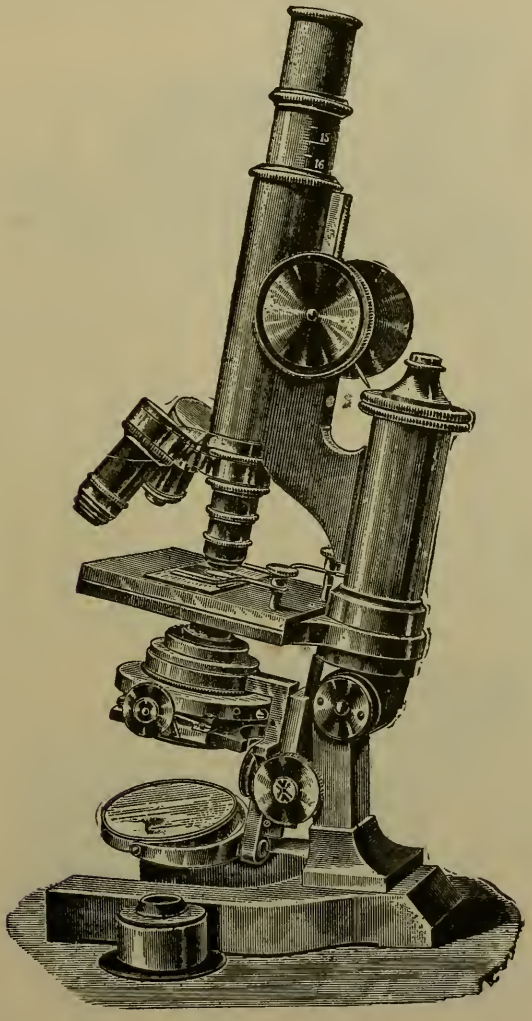


F—Model Microscope. (Cut one-third of actual size.)

F.	Stand with 1 eye-piece (any power), no objectives	$25 00
F1.	Stand with 1 eye-piece and ⅔ in. and ⅙ in. objectives, +70+400 diam	48 00
F2.	Stand with 1 eye-piece and 2 in., ⅔ in. and ⅙ in. objectives, +35+70+400 diam	54 00
F3.	Stand with 2 eye-pieces and ⅔ in. and ⅙ in. objectives, +50 to +400 diam	52 00
F4.	Stand with 2 eye-pieces and 2 in., ⅔ in. and ⅙ in. objectives, +25 to 400 diam	58 00
F5.	Stand with 2 eye-pieces and ⅔ in., ⅛ in. and 1/12 in. oil immersion, objectives, + 50 to + 1,200 diam	97 00
F6.	Stand with 2 eye-pieces and 2 in., ⅔ in., ⅙ in. and 1/12 in. oil immersion, objectives, + 25 to + 1,200 diam	103 00
	Revolving stage, with removable spring clips, extra	5 00
	Glass stage with slide carrier, which slips over either plain or revolving stages, extra	5 00
	Graduated mirror bar, with mirror and sub-stage (both adjustable), in place of one accompanying stand, extra	5 00
	Abbe condenser, 1.20 N. A., in mounting, with iris diaphragm, extra	14 00
	Abbe condenser, 1.42 N. A., in mounting, " " " "	16 00
	Mechanical stage, in place of the regular, extra	18 00
	Double nose-piece, brass finish, extra	5 00
	Triple nose-piece, brass finish, extra	9 00

Complete illustrated catalogue (13th edition) mailed free to any address; send for it; contains matter of much interest to physicians.

LEITZ MICROSCOPES.



LEITZ' STAND, I-a.

No. 5. Large Microscope, briefly described as follows: Inclinable, with fixed stage, coarse adjustment by rack and pinion; fine adjustment by micrometer screw, with graduated head; draw tube with millimeter scale. The accessories are:

Abbe condenser, rack and pinion movement, with iris diaphragm.
Triple nose-piece.
Three eye-pieces.
Three objectives. viz.: 1 inch, $\frac{1}{9}$ inch, and oil immersion $\frac{1}{12}$ inch.
Magnification from 57 to 850 diameters.

Price, in upright polished wood case.....$177 50

We will import Leitz Microscopes for colleges and hospitals, duty free.

MICROSCOPIC CABINETS.

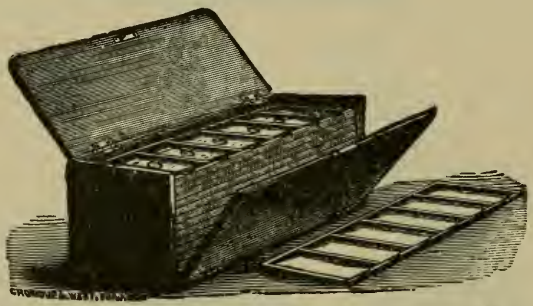


Fig. 500. Portable Mahogany Cabinet, for 72 objects, $3 25.

BOXES, mailing, wood, to hold 1 object ..... per doz. $0 60 each $0 06
" " " 3 " ..... " 80 " 08
" " " 6 " ..... " 90 " 10
" " " 12 " ..... " 1 25 " 15
CABINETS, holding 24 objects, with cardboard sliding cover ..... " 75
" 24 " white wood ..... " 1 00
" 36 " " ..... " 1 50
" 48 " " ..... " 1 75
" 60 " " ..... " 2 00
" 72 " " ..... " 2 50
" 144 " " ..... " 3 50
Portable, 12 trays, holding 72 objects, mahogany, Fig. 500 ..... " 3 25
Same, for 36 objects ..... " 2 00

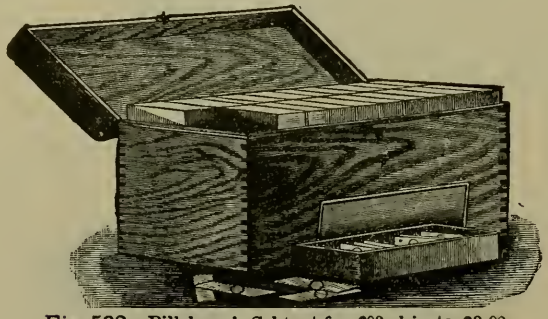


Fig. 502. Pillsbury's Cabinet for 200 objects, $3 00.

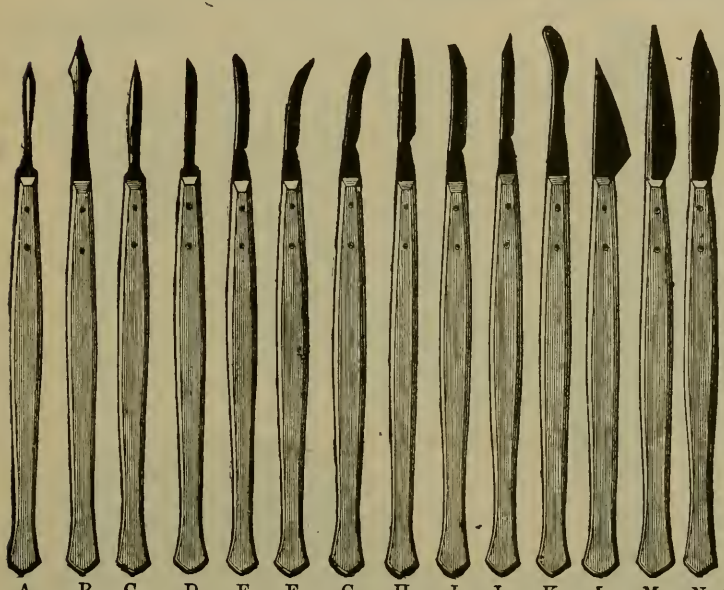
CABINETS, Pillsbury's, holding 10 boxes for 200 slides, Fig. 502 ..... each $3 00
" " 20 " 500 " ..... " 4 00

The Pillsbury Cabinet consists of a finely polished cherry case, containing ten or twtney boxes, grooved on the inside, to receive twenty-five slides each, and provided with a lock. When the boxes are in place in the cabinet, the slides lie horizontally, thus avoiding all liability of damage to slides in top.

The top of each box, as placed in the cabinet, is provided with an index, and on the bottom of the box, inside, is a corresponding number, to show the proper location of each slide. If a cabinet is not required, the boxes may be used singly, as a simple rubber band serves to hold the cover securely in place. They are of plain white-wood, neatly finished.

MICROSCOPIC INSTRUMENTS.

DISSECTING AND MOUNTING INSTRUMENTS.



A B C D E F G H I J K L M N

Fig. 479. Dissecting Knives, each 75c.

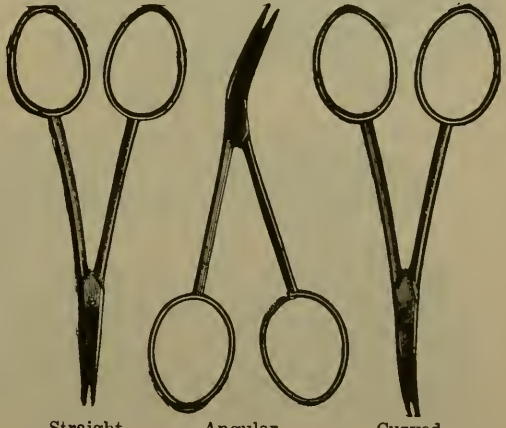
Curved. Straight.

Fig. 480. Dissecting Needles, each, 15c.

Fig. 481. Curved Dissecting Forceps, Steel, Best, $1.00

Fig. 482. Straight Dissecting Forceps, Steel, Best, 75c.

Fig. 484. Double Section Lifter, 50c.



Straight. Angular. Curved.

Fig. 483. Dissecting Scissors, each 50c to. 75c.

MICROSCOPIC INSTRUMENTS.

Fig. 458. Section Knife..... .....$2 75 to $5 00

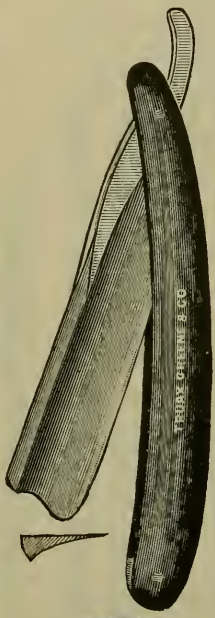


Fig. 457. Microscopic Razor, flat on one side..... ..$1 50

Fig. 456. Cover Glass Forceps.....$0 60

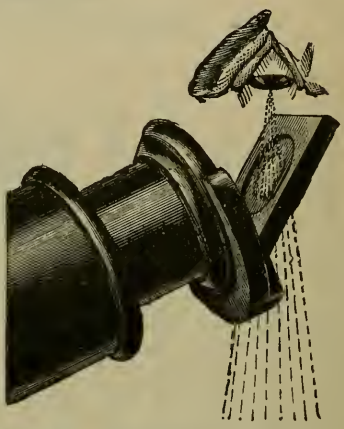


Fig. 463. Plain Camera Lucida, $1 50

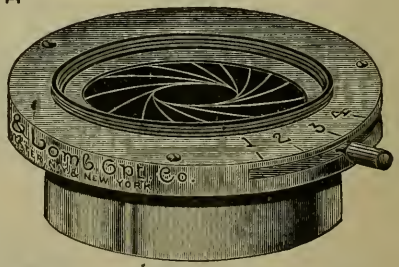


Fig. 467. Iris Diaphragm with Condenser Mounting.....$6 00

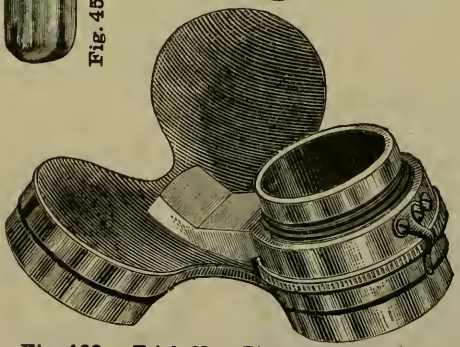


Fig. 469. Triple Nose-Piece, Angular..$9 00

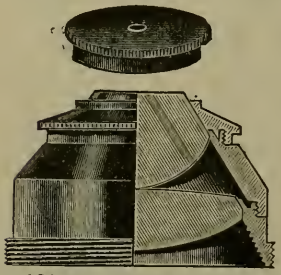


Fig. 461. Two System Condenser in Case $8 00

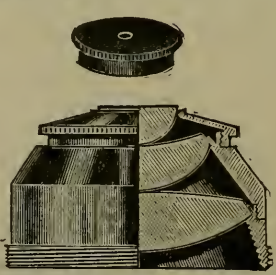


Fig. 462. Three System Condenser in Case.. .....$10 00

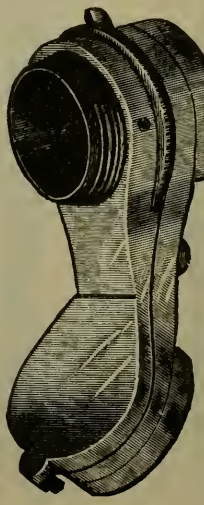


Fig. 468. Double Nose-Piece, Angular Form, for instantly changing objectives. $5 00

MICROSCOPIC INSTRUMENTS.

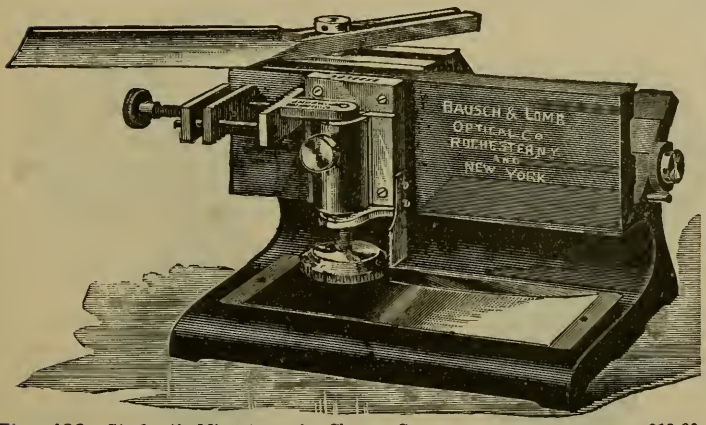


Fig. 493. Student's Microtome in Cherry Case..... .....$18 00

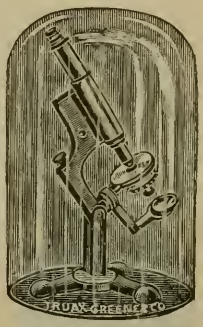


Fig. 497. Globes or covers for microscopes For sizes and prices see page 544.

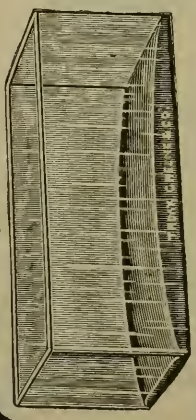


Fig. 494. Glass box in which to clean microscopic slides.....$0 35

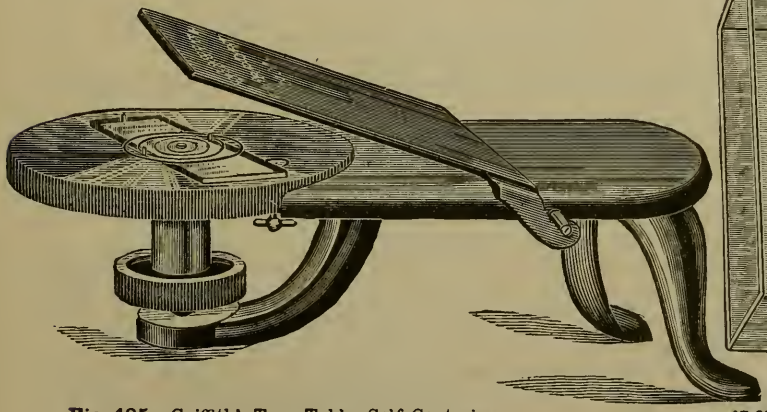


Fig. 495. Griffith's Turn Table, Self Centering..... .....$7 00

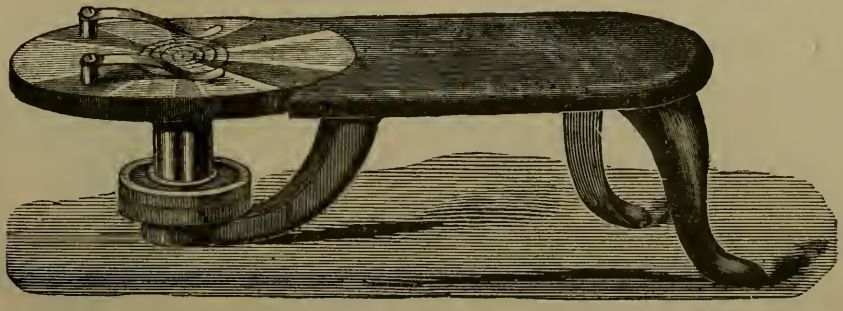


Fig. 496. Turn Table, Plain.. ....$2 50

MAGNIFYING GLASSES.

Fig. 505.

Fig. 506.

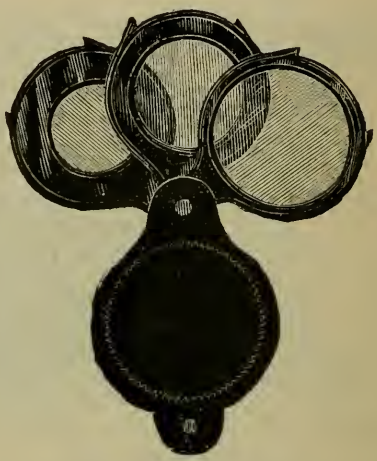


Fig. 507.

MAGNIFIERS.

Single, rubber case, diameter of glass,				¾ inch, Fig. 505	each,	$0 30
"	"	"	"	1 inch	"	40
"	"	"	"	1½ "	"	60
"	"	"	"	2 "	"	90
Double,	"	"	"	⅝ and ¾ inch, Fig. 506	"	60
"	"	"	"	1⅛ and 1¼ "	"	90
"	"	"	"	1½ and 1¾ "	"	1 25
Triple,	"	"	"	½, ⅝ and ¾ inch, Fig. 507.	"	75
"	"	"	"	⅝, ¾ and ⅞ inch	"	1 00
"	"	"	"	¾, ⅞ and 1 inch	"	1 25
Single, shell case,		"	"	¾ inch, Fig. 505	"	75
"	"	"	"	1 inch	"	1 55
Double,	"	"	"	⅝ and ¾ inch, Fig. 506	"	1 25
"	"	"	"	⅞ and 1 inch	"	2 10
Triple,	"	"	"	½, ⅝ and ¾ inch, Fig. 507	"	1 65
"	"	"	"	¾, ⅞ and 1 inch	"	2 65
Folding, brass, size of opening, ¼ inch, Fig. 508					"	40

MAGNIFIERS, Metal frame and handle (reading glasses).

Glass 1½ inch diameter, Fig. 510				each,	$0 50
" 2	"	"		"	60
" 2½	"	"		"	90
" 3	"	"		"	1 35
" 4	"	"		"	2 50
" 5	"	"		"	4 50
" 6	"	"		"	8 00

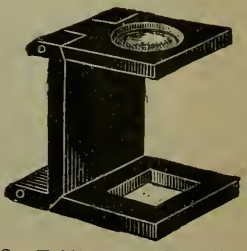


Fig. 508. Folding Magnifier, 40c.

MICROSCOPIC ACCESSORIES.

ADAPTER,
For foreign objectives $1 00
For fitting objectives in sub-stage 1 00
With centering adjustment 5 00
AMPLIFIER, achromatic, in brass box 7 50
CAMERA LUCIDA, double prism, may be used in an upright or inclined position 7 50
Improved Abbe 10 00
Plain Fig. 463 ..... 1 50
Wollaston's, for drawing an object 6 50
COMPRESSOR, Wenham's 1 50
Parallel 3 50
CONDENSER, sub-stage Abbe 1.20 N. A. in case, Fig. 461 ..... 8 00
" " " 1.42 " " Fig. 462 ..... 10 00
" " " 1.0 " " 20 00
Mounting, 5 stop, diaphragms and blue glass 5 00
" with Iris diaphragm 6 00
CONDENSERS, on stand, 1½ inch diam 4 00
" 2¼ " " 7 00
" 3 " " 10 00
DARK WELL 2 00
DIAPHRAGM, Iris, with Society Screw 3 00
(Iris), with condenser mounting, Fig. 467 ..... 6 00
Dome 2 00
EYE-PIECES, 1 to 5 ..... 4 00
FORCEPS, stage 1 50
Stage, on slide 2 00
" 3 prong 5 00

GLOBES FOR COVERING MICROSCOPES. Fig. 497.

No.	Diameter	Height	Each	No.	Diameter	Height	Each
1	4 in.	6 in.	$ 60	7	8 in.	16 in.	$2 40
2	6 "	6 "	75	8	10 "	10 "	2 25
3	6 "	8 "	90	9	10 "	14 "	3 00
4	6 "	10 "	1 50	10	12 "	12 "	3 00
5	8 "	8 "	1 40	11	12 "	16 "	4 00
6	8 "	12 "	2 00	12	12 "	20 "	6 00

CIRCULAR GLASS BASE FOR SAME.

4 inch. each	$ 20	10 inch. each	65
6 " "	25	12 " "	1 00
8 " "	40		

LENS, Hemispherical, mounted 5 00
LEIBERKUHNS ..... $4 00 to 5 75
LIFE SLIDE, Holman's with cover, in box 1 50
With syphon complete 4 00

MICROSCOPIC ACCESSORIES

LIVE-BOX, small $2 00
MICROMETER, Eye-piece 1 00
Stage, 1-100 and 1-1000 inch 1 50
" 1-10, 1-20 and 1-50 " 2 00
NOSE-PIECE, (see Adapter)
Double, Angular, Fig. 468 ..... 5 00
Triple, " Fig. 469 ..... 9 00
PARABOLIC REFLECTOR, Wenham's, for dark field illuminations 9 00
POLARISCOPE, with one selenite, in morocco case 12 00
Complete with prisms and selenites 22 00
TABLE, revolving, black walnut, adjustable to height 12 00
TRIPLETS, achromatic ½, ¾ and 1 inch 6 00
TROUGH, glass, complete, with wedge and spring 2 50

DISSECTING, MOUNTING AND COLLECTING INSTRUMENTS.

BEAKERS, See Index
BISTOURY, sharp pointed 75
Probe, pointed 75
BOTTLES for Balsam, Doty's 80
Capped, for holding mounting fluids, with pipette 40
Capped, with triangular stopper to prevent gumming, 1 oz 35
" " " " " " " 2 oz 50
Collecting, flat ..... 10 to 15
Collecting, round, dozen ..... 25 to 75
Dropping, with glass bulb 20
Dropping, with rubber top 25
CASES of dissecting instruments ..... $7 50 to 15 00
COMPRESSORS, Spring, nickel-plated ..... doz 40
Spring, wood ..... doz 25
CUTISECTOR, Piffard's 3 75
DROPPING TUBES. See Droppers in Index.
FORCEPS, dissecting, steel, plain 40
Brass 25
Cover glass, Fig. 456 60
Steel, straight, Fig. 482 75
" angular 1 00
" curved on the flat, Fig. 483 ..... 1 00
GLASSES, flat ..... pair 85
Concave ..... pair 2 00
Watch. See Urinary Analysis.
" Syracuse, solid ..... 15 to 85
HOOKS, double, for dissecting 50
KNIVES, brain 2 00
Dissecting, various patterns, Fig. 479 75
Section, plain, Fig. 458 ..... 2 75
" " in morocco case 3 25
" " large 4 50

MICROSCOPIC ACCESSORIES.

KNIVES, Section, plain, in morocco case $5 00
Valentine's 6 00
KNIFE HOLDER 2 50
LABELS, adhesive, per 100 in a box 15
LAMP, spirit, glass, fine, for mounting, 3-16 burner 75
" " " " ¼ " 90
" " " " ⅛ " 1 10
MICROTOMES. See Section Cutter.
NECESSAIRE, Dr. Ranvier's 3 50
NEEDLES, straight or bent, Fig. 480 15
NEEDLE HOLDER, with clamp 25
PIPETTE, with rubber bulb, graduated 25
Plain, with rubber bulb, straight 05
" " " " " bent 05
PLIERS, plain 25
RAZOR, for cutting sections 1 00
" " " flat on one side, Fig. 457 ..... 1 50
SAUCERS, porcelain, 2½ inches in diameter, in nest of 5, with cover 60
SCALPELS, 3 sizes ..... each 50
SECTION CUTTER, Army Medical Museum pattern 10 00
Laboratory, small size 42 50
" large " 50 00
Students' with knife in cherry case, Fig. 493 ..... 18 00
Ranvier's, plain 7 00
with clamp 8 00
With knife and carrier, Seiler's 13 50
SECTION LIFTER, single 20
Double, Fig. 484 50
SCISSORS, dissecting, straight, Fig. 483 50
Dissecting, curved on the flat, Fig. 483 60
" knee bent, Fig. 483 75
Transplanting, Piffard's 7 50
SYRINGES, injecting, ⅛ ounce 8 00
" 1 ounce 10 00
TROCAR, exploring 1 00
" with Tenaculum point 1 85
" Duchenne's 1 90
" Noegerath's 2 65
TURN TABLE, plain, Fig. 496 ..... 2 50
" with detachable hand rests 3 00
Self-centering, with hand-rests 6 00
Griffith's self-centering, Fig. 495 ..... 7 00

MOUNTING AND STAINING MEDIA.

ACID, chromic, 5 per cent solution 25
Glacial Acetic 25
Osmic, 2 per cent 25
Picro-sulphuric, concentrated 20

MICROSCOPIC ACCESSORIES.

ALCOHOL, absolute		$0 20
ALCOHOLIC CARMINE, Mayer's		25
ALBUMEN, Mayer's		25
AMARANTH		50
AMMONIA, Carmine		25
ANILINE, blue		20
Green		20
Red		20
Violet		25
ANILINE OIL, pure, for preparing bacillis		25
ASPHALTUM		25
Quick drying		35
BALSAM, Canada, in tubes		25
" benzole		50
" chloroform		50
" with xyol		50
Damar		15
BELL GLASSES		50
BENZOLE, pure		20
BISMARCK BROWN		20
BORAX, Carmine		25
BRUNSWICK BLACK		25
CARBONATE OF POTASH, 3 per cent solution		25
CAUSTIC POTASSA, 5 per cent solution		25
CEDAR OIL		50
CELLS, Glass, assorted	doz	1 00
Block Tin	doz	20
Hard Rubber	doz	15
Atwood's	doz	30
Zylonite, transparent, assorted	doz	25
CELOIDINE, 1 oz. box		1 25
CEMENT, Bell's		50
Brown's Rubber		35
White Zinc		50
Amber, King's, with directions		25
White, King's, with directions		25
CHLORIDE, Stannon's, in Glycerine Jelly		60
And Acetate of Copper		25
COCHINEAL TINCTURE		25
COLOPHONIUM SOLUTION		15
COMPRESSOR, Holman's		1 00
CLOVER GLASSES, Circles, sizes, ½, ⅝, ¾ and ⅞ — No. 1, thin	oz	1 75
CLOVER GLASSES, Circles, sizes, ½, ⅝, ¾ and ⅞ — No. 2, medium	oz	1 25
CLOVER GLASSES, Circles, sizes, ½, ⅝, ¾ and ⅞ — No. 3, heavy	oz	1 00
COVER GLASSES, Square — No. 1, thin	oz	1 65
COVER GLASSES, Square — No. 2, medium	oz	1 15
COVER GLASSES, Square — No. 3, heavy	oz	90
DAMAR, in benzole		35

MICROSCOPIC ACCESSORIES.

DEAN'S MEDIUM		$0 35
EOSIN		20
FARRENT'S MEDIUM		50
Fuschine		25
GELATINE, carmine, for injecting	oz	1 00
GENTIAN VIOLET		20
GLYCERINE, Camphorated, for delicate vegetable tissue		25
Pure		25
Jelly		50
GLUE, Hollis'		30
Marine, Hard		35
" Liquid		35
" Colorless		40
GOLD SIZE		25
GUM AND GLYCERINE, medium		25
HÆMATOXYLIN		20
Concentrated solution in alcohol		50
HÆMATOXYLIC EOSIN		50
IODO-IODIDE Potassa, 3 per cent solution		25
LABELS, White, round or oval	per 100	10
" square, with borders	per 100	25
Gilt fronts for covering slides	per 100	25
Backs	per 100	25
Backs or front with holes punched, 10 cents extra per 100		
MAGENTA		40
Red		25
METHYLENE BLUE		20
METHYL green		20
Violet		20
NAPHTHA, Pure		15
NITRIC ACID, in alcohol, 3 per cent solution		25
OIL CLOVES		35
OSMIC ACID, 1-32 oz. or 1 gramme		2 00
PARAFFINE	lb	50
PHENOLPHTALINE		25
PICRO-CARMINE		25
PIPETTES, with bulb		25
POT. FERROCYANIDE, with 1 per cent Acetic Acid		25
SAFFRANIN		25
SALT SOLUTION, normal		15
SLIDES, Glass, 1 x 3, ground edges, first quality crown glass	gro	1 35
" " " " patent plate	gro	1 75
" " " " extra thin white sheet	gro	2 50
" " " " beveled	gro	3 00
" " " " with concave center	doz	60
" " crown, plain cut edge	gro	65
Wooden	doz	25

MICROSCOPIC ACCESSORIES.

SLIDES, Holman's Life.....each $1 50
" Current.....each 1 50
" Cage.....each 4 50
" Syphon.....each 3 00
SODA, Sulpho-Indigotate..... 20
STAIN, Dr. Gibbs'..... 50
Burrill's, for bacillus tub., with directions..... 35
TROUGHS, Zoophyte..... 2 50
TUBES, Drop..... 10
TURPENTINE..... 25
VESUVIN..... 20
WHITE ZINC CEMENT..... 55
XYOL, Damar..... 25

These media we guarantee to be of the quality best suited for microscopic purposes and put up in the neatest possible manner. Each bottle is plainly labeled.

MAGNIFYING GLASSES.

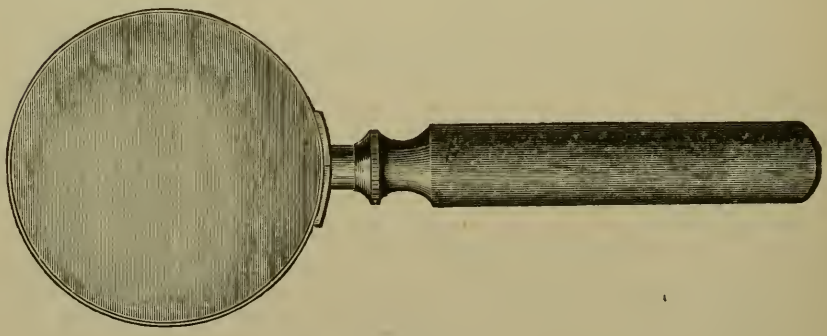


Fig. 510.

CODDINGTON MAGNIFYERS. Fig. 512.

½-inch focus, German silver mounting, each, $2 00
¾ " " ..... " 2 25
1 " " ..... " 2 50

ACHROMATIC TRIPLETS.

½-inch focus, German silver mounting, each, 9 50
¾ " " " " " " 9 50
1 " " " " " " 9 50

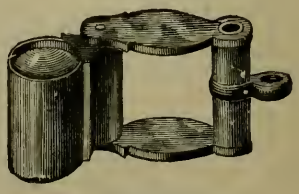


Fig. 512.
Coddington Lenses.

GERMAN MODELS OF ANIMALS.

PAPIER MACHE.

These models are well calculated to facilitate the study of the anatomy and physiology of animals in veterinary colleges.

SERIES XIX.—HORSE.

1900	Model of a horse, height 72 centimeters, copied at the Royal Veterinary School of Berlin, anatomically true; showing the superficial and deeper layers of muscles and the principal vessels	$157.50
1901	Model of a horse as above, head, trunk and forefoot dismountable; intestines are removable and dismountable	202.50
1902	Model of a horse, fifth part natural size, totally dismountable; new model,	101.25
1903	Heart of a horse, separable	11.25
1904	Model of the heart, most perfect execution	27.00
1905	Hoof of a horse, divisible into four parts	9.00
1906	Intestinal canal of a horse, schematized	10.80
1907	Kidneys of a horse with Aorta and veins	9.00
1908	Brain of a horse, divisible into two parts	4.05
1909	Genitals of a male horse	16.20
1910	Head of a horse, median section, the exterior side with muscles	40.50
1911	Model of a head with muscles dismountable; perfect execution	112.50
1912	Left hind-leg with all possible blemishes, most perfect execution, separable in many parts	54.00
1913	Lungs, with heart separable	54.00
	All the intestines of chest and abdomen of the horse, almost natural size, very instructive preparation	247.50
1914	Horses' teeth, in nine stages	6.75

GERMAN MODELS OF ANIMALS.

PAPIER MACHE.

SERIES XX.—OX.

2000 Model of an ox, quite new; height 70 centimeters, showing the superficial muscles and most important blood-vessels. Intestines are removable and dismountable.....$202.00

2001 Model of an ox, fifth part of natural size, totally dismountable, new model..... 101.25

2002 Cow's udder, separable..... 9.00

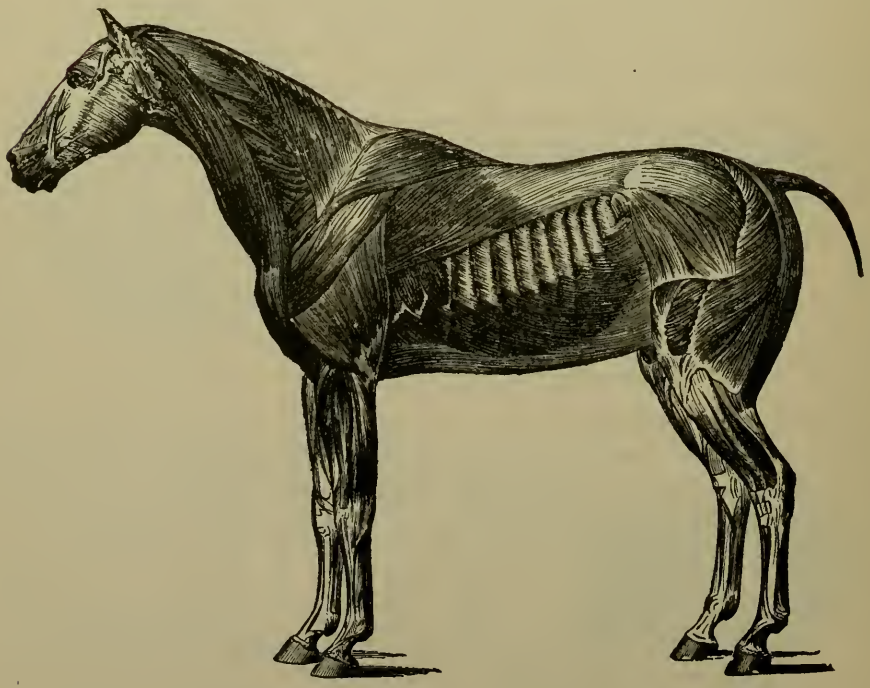
2003 Stomach of a ruminant, separable..... 10.80

2004 Intestinal canal of an ox (schematized)..... 13.50

2005 Foot of an ox..... 11.25

2006 Fœtus of a cow..... 10.80

2007 Fœtus of a sheep..... 10.80



Models of the Horse in various sizes. Prices from $101.25 to $202.50.

Turf Goods Department

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The Lanz=Owen Co.'s

Horse=Boots Muzzles and Shields...

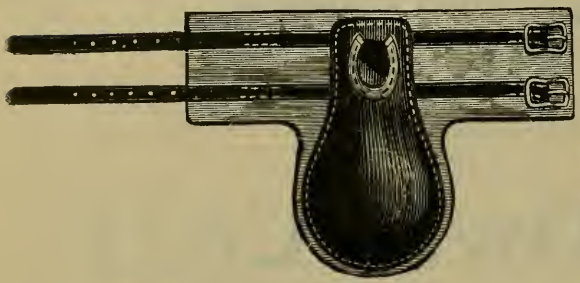
The latest styles, the most perfect fitting and the very best quality of stock and workmanship.

Each style of Boot is made in three sizes: L, large; M, medium; S, small.

The Lanz=Owen Company is the largest Leather Notion House in the world. They manufacture the most complete line of Horse-Boots, Sole Leather Trunks, Satchels, Shawl, Tourist, Trunk and many other Straps, Gun Goods, Leggins, Hat Boxes, Dress Suit Cases, Musical Instrument Cases. Also any kind of Sample Cases to order.

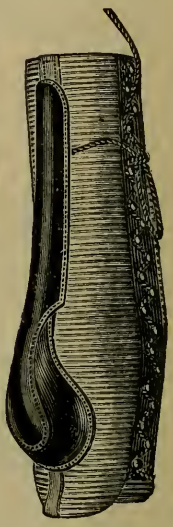
Contracts taken for any kind of Leather Goods.

ANKLE BOOTS.

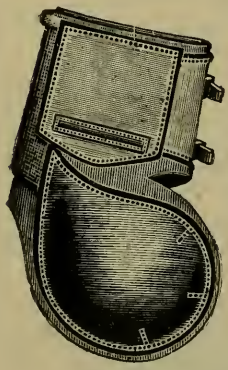


Nos. 7 and 9.

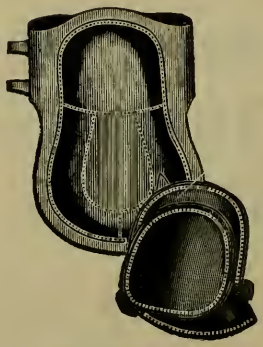
Nos. 10 and 11.



Nos. 21 and 23.



No. 17.



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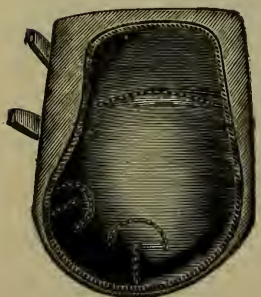

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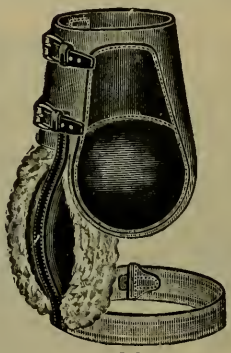


No. 20.

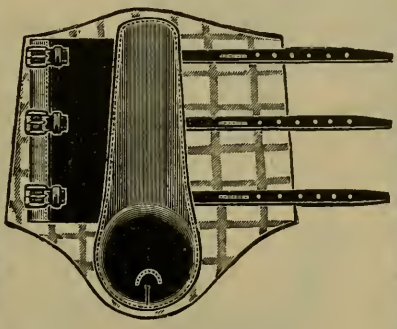
No. 24.

DESCRIPTIONS.

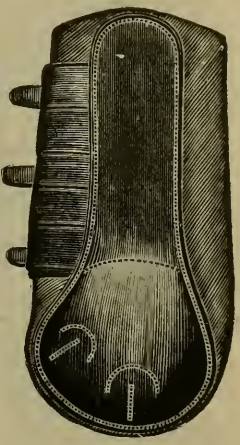
No. 7.	Ankle Boot, felt lined, chamois bound	pair,	$1.00	list.
" 9.	" " " " " " extra size	"	1.25	"
" 10.	" " calf lined, light weight	"	2.25	"
" 11.	" " French calf lined	"	2.75	"
" 12.	Hind Ankle Boot, French calf lined, hind leg	"	2.85	"
" 17.	" " " felt lined, with elastic	"	4.00	"
" 110.	Ankle and Speed Cut	"	4.50	"
" 20.	Ankle and Heel Boot	"	4 50	"
" 21.	Elastic Stocking with back cord protection	"	7.00	"
" 23.	" " without shin brace	"	4.50	"
" 24.	" " with scalpel	"	6.50	"

SHIN AND ANKLE BOOTS.

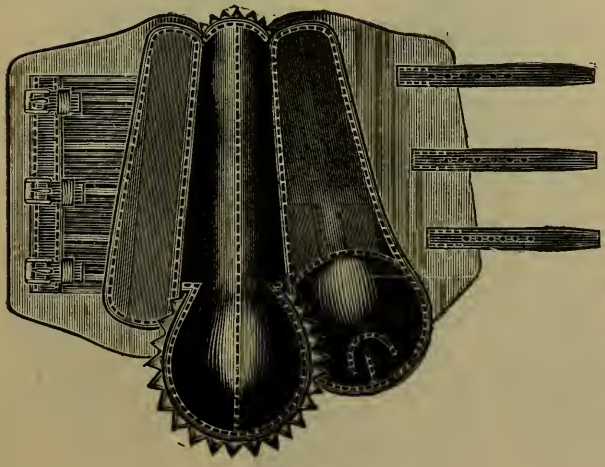
Nos. 50 and 51.



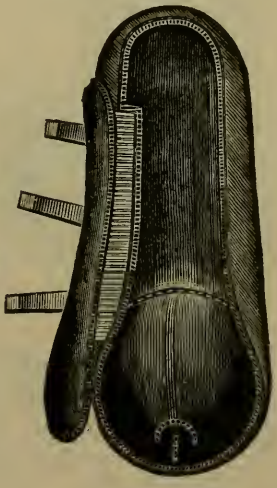
Nos. 52 and 53.



Nos. 56 and 58.



No. 76.

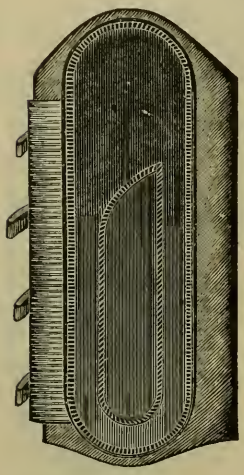


No. 72.

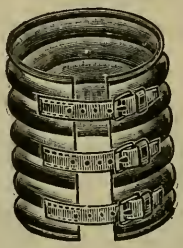
DESCRIPTIONS.

No. 50.	Front Shin and Ankle Boot, felt lined, chamois bound	pair,	$1.25	list.
" 51.	Hind " " " " " " "	"	1.75	"
" 52.	Front " " " Kersey lined, with elastic	"	3.25	"
" 53.	Hind " " " " " " "	"	3.50	"
" 56.	Front " " " calf " " "	"	4.00	"
" 58.	Hind " " " " " " "	"	4.25	"
" 76.	Shin Ankle and Soft Tendon, with elastic	"	7.00	"
" 72.	" " " Tendon, " "	"	6.50	"

SHIN BOOTS AND SPEED CUTS.



Nos. 80 and 85.



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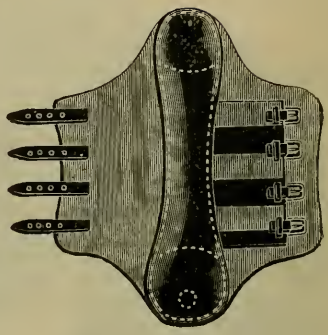
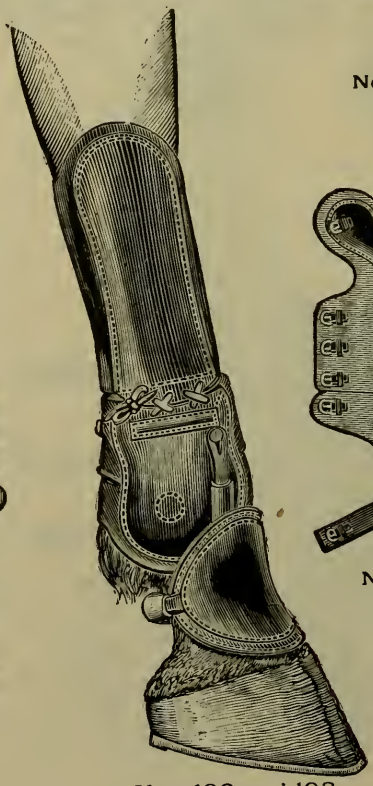


Nos. 100 and 101.



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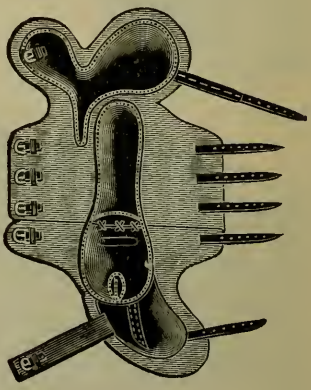
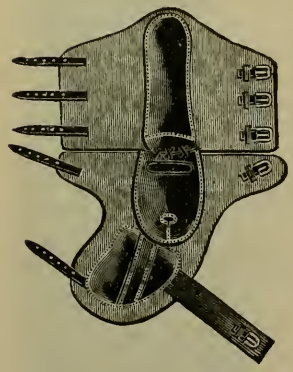


Nos. 120 and 121.

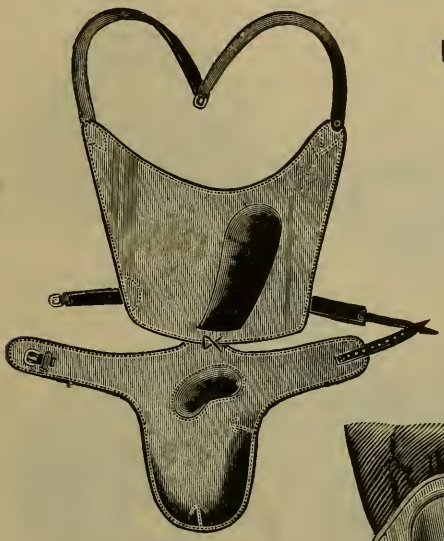


Nos. 126 and 127.

DESCRIPTIONS.

No. 80.	Shin Boot, calf lined, with elastic	pair,	$3.75	list.
" 85.	" " Kersey lined, with elastic	"	2.25	"
" 91.	Calf Shin Roll, 4-inch	"	2.50	"
" 94.	Buckskin Shin Roll, 4-inch	"	2.25	"
" 100.	Shin Ankle and Half-Knee, calfskin	"	5.50	"
" 101.	" " " Kersey	"	6.00	"
" 102.	Hind Shin Ankle and Speed Cut, hinged, Kersey	"	9.00	"
" 103.	" " " " " calf	"	9.00	"
" 120.	" " " " " and Hock, Kersey	"	11.00	"
" 121.	" " " " " " calf	"	10.00	"
" 126.	" " " " " calf	"	8.00	"
" 127.	" " " " " Kersey	"	8.00	"

KNEE BOOTS.



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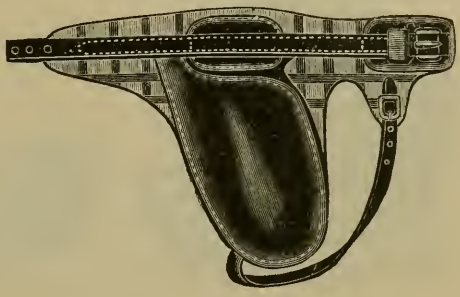

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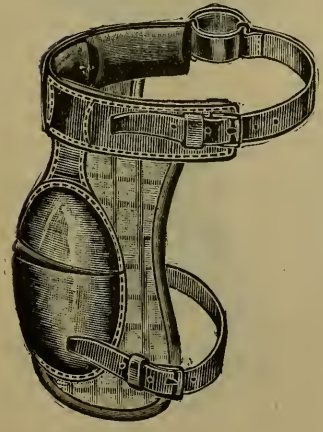

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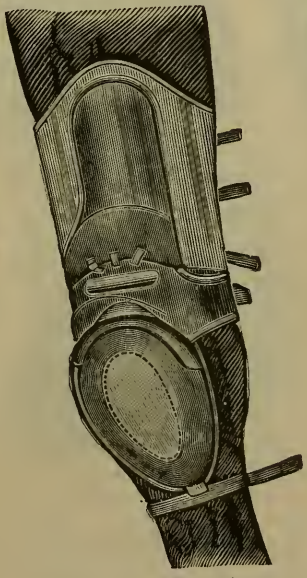
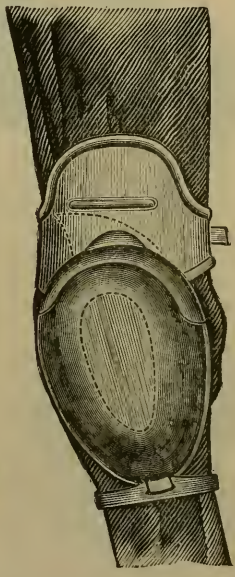


Nos. 160 and 161.

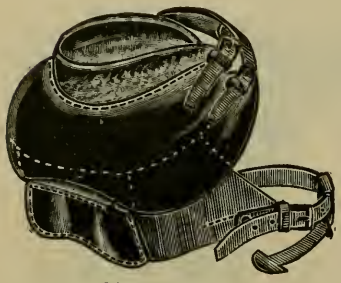


Nos. 150 and 151.

DESCRIPTIONS.

No. 139.	Knee Boot, Kersey lined, bound	pair,	$3.00 list.
" 146.	" " " " unbound	"	2.50 "
" 156.	Stumbling Boot, with rubber loop	"	3.50 "
" 160.	Knee and Arm Boot, Kersey lined	"	9.00 "
" 161.	" " " " " with suspenders	"	10.00 "
" 165.	" " " felt " " "	"	8.50 "
" 150.	Knee Boot, Kersey lined, hinged	"	6.00 "
" 151.	" " calf " "	"	5.50 "

QUARTER BOOTS.



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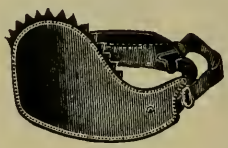

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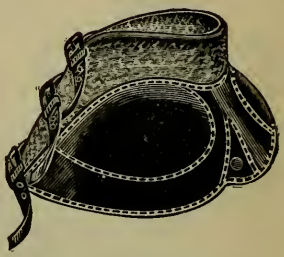
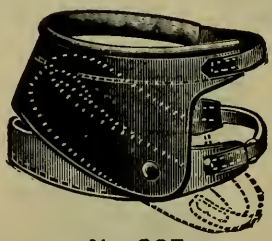


Nos. 200, 201 and 202.

No. 213.



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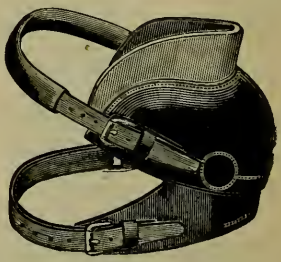


No. 206.

No. 222.

No. 225.

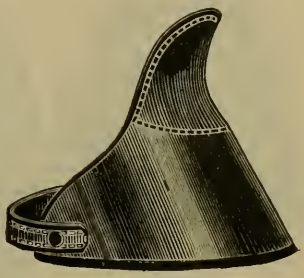
No. 224.

DESCRIPTIONS.

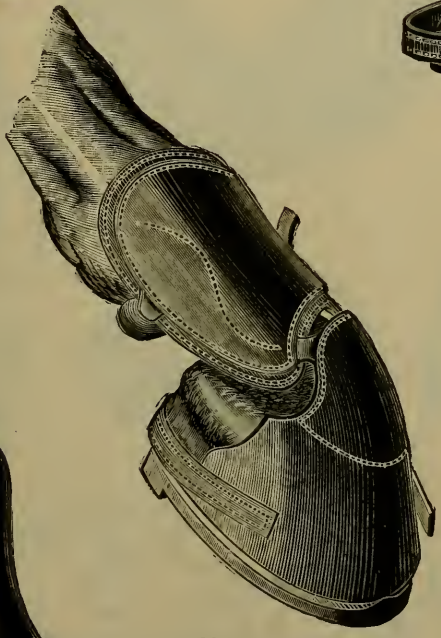
No.	200.	Quarter Boot, felt lined, 3 billets					pair,	$2.25	list.
"	201.	" " lea. " 3 "					"	2.75	"
"	202.	" " elk " 3 "					"	3.75	"
"	205.	" " " " back hinge					"	5.00	"
"	205XX.	" " " " " " cheaper grade					"	3.50	"
"	206.	" " " " side "					"	5.00	"
"	207.	" " California style, side hinge					"	4.50	"
"	213.	" " low cut, wool top					"	2.50	"
"	215.	Coronet Boot, felt lined					"	2.00	"
"	222.	Bell Quarter Boot, felt lined, leather trimmed					"	2.50	"
"	225.	" " " lea. " felt top					"	3.00	"
"	224.	" " " with chamois roll					"	4.50	"

SCALPERS.

No. 232.



No. 230.



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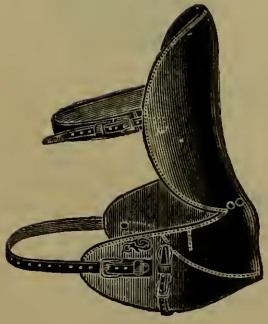
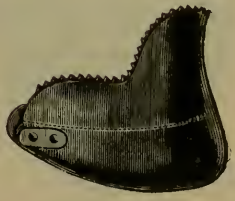


No. 236.



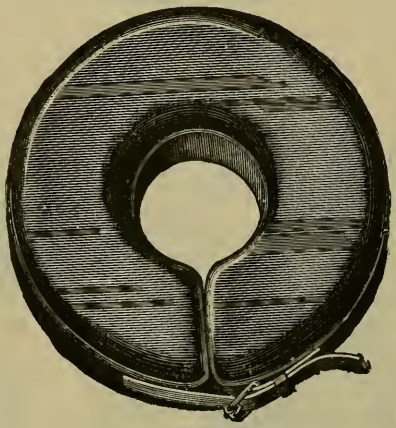
No. 234.

DESCRIPTIONS.

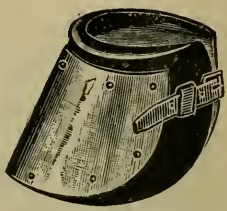
No. 230.	Scalper	pair,	$2.50	list
" 232.	" with heel extension	"	2.75	"
" 234.	" felt lined	"	2.75	"
" 236.	Toe and Speed Cut, for colts	"	4.50	"
" 237.	Hind Hoof and Speedy Cut, side action	"	6.00	"
" 238.	" " " " front "	"	5.50	"

MISCELLANEOUS.

No. 251.

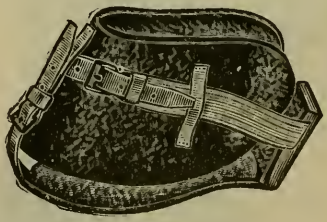


Nos. 262 and 263.



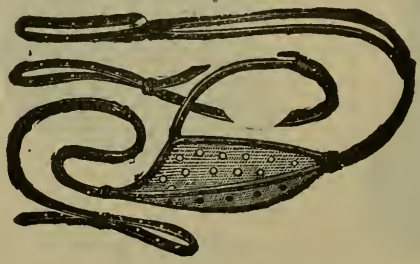
No. 250.

No. 290.



No. 252.

No. 286.



Nos. 280 and 281.

DESCRIPTIONS.

No. 251.	Poultice Boot, black leather	pair,	$4.50	list.
" 250.	Caulking " metal covered	"	2.00	"
" 252.	Soaking " perforated felt bottom	"	3.00	"
" 262.	Shoe Boil Roll, stuffed, canvas and leather	each,	2.00	"
" 263.	" " " all leather	"	2.75	"
" 280.	Stallion Support, rubber	"	2.50	"
" 281.	" " chamois	"	2.50	"
" 286.	Wire Muzzle with throat strap	"	1.67	"
" 290.	English Leather Muzzle	"	3.00	"

RUNNING BOOTS.

No.		Per pair.
10	Ankle, russet calf	$1.90
10½	Ankle, russet calf, heel extension	2.10
11½	Ankle, russet, soft calf	1.90
12½	Same as 11½, with heel extension	2.00
18	Pastern Joint, wool lined	2.50
19	Knuckler or Fetlock	4.50
20	Heel and Ankle, russet calf	4.50
21	Elastic Stocking, with back cord protection	6.50
22	Knuckler or Fetlock, to lace	4.50
23	Same as 21, without shin brace	3.75
24	Elastic Stocking, with scalper	6.00
27	Elastic Shin Brace	2.50
60	Shin and Ankle, extra high and light, russet calf, elastic, 4 billets	5.25
61	Shin and Ankle, russet calf, with elastic, 3 billets	4.00
62	Front Shin and Ankle, russet calf, half cord protection	5.00
63	Shin and Ankle, russet calf, pivot hinge, with elastic	5.50
64	Shin and Ankle, white kersey	2 50
65	Shin and Ankle, white kersey, with leather cup	3.00
79	Shin Boot, russet calf, with elastic	3.75
100	Shin, Ankle and Half Knee, russet calf	5.50
110	Ankle and Speed-Cut, russet calf	5.00
111	Ankle and Speed-Cut, russet calf	5.00
112	Back Cord, russet calf	5.50
125	Shin, Ankle and Hock, russet calf, with elastic	7.00
128	Back Cord, russet calf, extra light	4.50
129	Same as 128, with heel boot attachment	6.00
129½	Same as 129, with plate	7.00
132	Same as 128, with heel and ankle attachment	7.00
133	Shin, Hock, Back Cord and Heel, russet calf, extra light	8.00
134	Same as 133, without heel attachment	7.50

DRUGS AND CHEMICALS.

The prices here quoted include containers.

ACETANILID	oz 07, ¼ lb 17, lb	$0 60
ACID Acetic, No. 8, **Mallinckrodt's**	lb	17
" C. P.	lb	30
" U. S. P.	lb	20
" dilute	lb	15
" Glacial, absolute	lb	65
Arsenious, fused, pure	oz 10, lb	22
" powdered, pure	lb	25
Benzoic, English, from Benzoin, **Merck's**	oz	20
" German	oz	14
" from Toluol	oz	12
Boracic, Cryst., 1-lb cartons	lb	27
" powdered, 1-lb cartons	lb	28
" " C. P., **Mallinckrodt's**	lb	60
" " C. P., Wyeth's, 1-lb bots	each	1 00
" " " " sprinkler-top bots	doz	2 50
Camphoric	oz	60
Carbolic, Cryst., **Mallinckrodt's**	lb	36
" " 5-lb cans	lb	34
" " 10-lb cans	lb	33
" loose, Cryst	oz	20
Carbolic, Solution (for medicinal uses) 95 per cent., 1-lb bots	lb	45
Carbolic, Solution (for medicinal uses) 95 per cent., 5-lb bots	each	2 00
Carbolic Solution (for medicinal uses), 33⅓ per cent., 1-lb bots	lb	40
Carbolic Solution (for medicinal uses), 33⅓ per cent., 5-lb bots	each	1 50
" crude, for disinfecting	lb	20
" Synthetical, **Mallinckrodt's**	oz 17, ¼-lb 25, lb	75
Chromic, Cryst	oz	17
Chrysophanic (Chrysarobin)	oz	30
Citric	lb	50
Fluoric	oz	45
Formic	oz	17
Gallic	lb 95, oz	12
Hydriodic	oz	42
" Syrup, 1-pt bots	pt	65
Hydrobromic (34 per cent.), conc't	oz	17
" dilute, U. S. P.	lb	45
Hydrocyanic, dilute, **Mallinckrodt's**	oz	12
" "	¼-lb 25, lb	60
Hypophosphorous, Sol. 50 per cent	oz	24
" dilute	oz 17, lb	70
Iodic	oz	87
Lactic, U. S. P., **Merck's**	oz	22
" con'ct., **Mallinckrodt's**	oz	22
" dilute	lb	50

DRUGS AND CHEMICALS.

Prices include containers.

ACID, Muriatic, com'l	lb	$0 20
" C. P.	lb	30
" dilute	lb	20
Nitric, C. P.	lb	34
Nitric, dilute	lb	20
Nitro-Muriatic	lb	45
" " dilute	lb	20
Nitrous, fuming	lb	30
Oleic, commercial	lb	45
" purified	lb	60
Oxalic, com'l	lb	12
" C. P., cartons	lb	47
Phosphoric (50 per cent) Conc't., U. S. P.	lb	47
" dilute	lb	25
" glacial, **Merck's**	oz	12
Picric, Com'l., Cryst	lb	60
" C. P., Cryst	oz	25
Pyrogallic, **Merck's**	oz	39
" **Mallinckrodt's**	oz	39
Pyroligneous, Commercial	lb	20
" purified	lb	39
Salicylic, **Merck's**	oz 15, ¼ lb 40, ½ lb 75, lb	1 45
" **Mallinckrodt's**	¼ lb 40, ½ lb 75, lb	1 45
" from Gaultheria	oz	60
Sulphuric, Aromatic	lb	55
" Com'l	lb	20
" C. P.	lb	30
" dilute	lb	20
Sulphurous, U. S. P., solution	lb	30
Tannic	lb $1.45, ¼ lb 40, oz	20
Tartaric, powdered	lb	40
Tri-chlor. acetic	oz	47
ACONITE, Leaf, powdered	lb	30
Root, powdered	lb	35
ACONITINE, pure, Amorphous, **Merck's**, ⅛-oz vials	each	1 00
Pure, Cryst, 15-grain vials	each	1 00
AGARIC, white	lb	50
AGNINE, 1s	lb	50
ALCOHOL, Absolute	pt	75
Cologne, Spirits, 188 per cent., container extra	gal	2 70
Standard proof, " " " "	gal	2 40
Wood " "	gal	1 60
ALLSPICE	lb	10
Powdered	lb	13
ALMOND MEAL	lb	40
ALOIN, **Merck's**	oz	22
Mallinckrodt's	oz	22

DRUGS AND CHEMICALS.

Prices include containers.

ALUM, Ammonio-Ferric	lb	$0 40
Dried (burnt), 1-lb cartons	lb	16
Lump	lb	05
Potassa, granulated, pure	lb	20
Powdered	lb	10
AMMONIA, Spirits of (alcoholic)	lb	65
" Aromatic	lb	60
Water of U. S. P. (1 gal, 45)	lb	15
" Conc't	lb	20
AMMONIUM, Acetate, liquor	lb	30
Acetate, crystal	oz	20
Benzoate	oz	17
Bromide, **Mallinckrodt's**	lb	55
Carbazotate	oz	35
Carbonate, 1-lb cans	lb	20
" 2-lb cans	lb	18
" resublimed, pure, 1-lb bottles	lb	45
Iodide, **Mallinckrodt's**	oz	44
Muriate, lump	lb	15
" granulated, pure	lb	20
" powdered, pure	lb	20
Nitrate, crystal	lb	25
" granulated	lb	27
Oxalate	oz. 12, lb	85
Phosphate	oz. 13, lb	94
Picrate	oz	35
Salicylate	oz	34
Sulpho-carbolate	oz	14
Tartrate	oz	20
Valerianate	oz	30
AMYL, Nitrite, **Mallinckrodt's**	oz	30
Nitrite, Pearls, boxes of 1 doz., 2, 3, 4 or 5 drops	per box	35
" " " 1 " 8 or 10 drops	per box	45

Aniline Dyes. See Microscopic Material.

ANODYNE, Hoffman's	lb	65
ANTIMONY, black, powdered, com'l	lb	06
Pure, powdered	lb	30
Chloride, Sol. (Butter of)	lb	34
Tartrate and Potassa (see Tartar Emetic).		
ANTISEPTIC TABLETS (Bichloride)	100 50c, 500	2 00

Each tablet contains the requisite amount of Corrosive Sublimate to make 1 to 1000 solution when added to 1 pint of water.

APIOL	oz	54
APO-MORPHINE, Cryst	⅛ oz	1 25
Muriate, Amorphous, **Merck's**	⅛ oz	55
ARISTOL, 1-oz cartons	oz	1 80

Aristol is now widely known as a very safe, pleasant and effective surgical dressing. It is especially useful in leg ulcers, cavital ulcerations, ozena, etc., and where prompt cicatrisation is desired.

ARISTOL GAUZE, 5 per cent., in 1-yard rolls	yd	60
" " 5-yard rolls	yd	50

DRUGS AND CHEMICALS.

Prices include containers.

	Per oz.	4-oz bots. each,	1-lb bots. each,
ARROW ROOT, American			lb $0 12
Bermuda			lb 35
t. Vincent			lb 15
ARSENIC, powd., comc'l			lb 08
Bromide			oz 47
Chloride			oz 57
" solution			lb 85
Iodide, **Mallinckrodt's**			oz 52
ARSENIC SOLUTION, Clemens'			lb 60

This solution contains an amount of Arsenic in combination, corresponding to about 1 per cent. of Arsenious Acid.

Donovan's, U. S. P., 1-lb bottles			lb 30
Fowler's " " "			lb 20
ATROPINE, pure, **Merck's**, ⅛-oz vials			each 65
Sulphate, ⅛-oz vials			each 50
" 15-grain vials			each 22
BALSAM Copaiba, Para			lb 60
Copaiba, Solidified			lb 1 10
Fir, Canada			lb 50
Peru			lb 1 50
Tolu			lb 56
BALM GILEAD BUDS			lb 45
BARIUM, Acetate			oz 19
Carbonate 1 lb boxes			lb 47
Chloride (Muriate) 1 lb boxes			lb 19
Chloride, C. P			lb 38
Iodide			oz 57
Nitrate, powdered			lb 24
" C. P			lb 42
Sulphate (Barytes)			lb 15
BARKS, See under name of bark wanted.			
BARLEY, Pearl			lb 06

	Pint.	Quart.	5-pt. bots.	Gal. bots.
BATTERY FLUID	$0 25	$0 35	$0 60	$0 75
Cautery	25	40	75	1 00

BAYBERRY BARK, powdered		lb 20

	Pint.	Quart.	Gallon.
BAY RUM, Domestic	$0 40	$0 70	$0 2 25
Imported	50	90	3 05

BEANS, Jequirity		oz 10
" powdered		oz 20
BEER, See Wines and Liquors.		
BELLE OF BOURBON, See Wines and Liquors.		
BELLADONNA, Leaf, powdered		lb 40
Root, powdered		lb 40
BENZOIN, Gum, See Gums.		
BENZOLE, C. P		lb 90
Pure		lb 50

DRUGS AND CHEMICALS.

Prices include containers.

BENZOSOL.....per oz $1 40

Benzosol is a reliable and useful substitute for Creosote, and is particularly endorsed as an internal antiseptic in Phthisis, etc. Chemically considered, Benzosol is guaiacol in which the hydrogen atom of the hydroxyl group is replaced by benzoyl. By the very process of manufacture all foreign ingredients are excluded, and the product is a chemically pure substance. It forms a colorless crystalline powder, almost entirely tasteless. It melts at 50° C. Water does not take it up, but hot alcohol, ether and chloroform dissolve it readily. It contains 54 per cent. of guaiaco' Twelve grains Benzosol are equal to 24 grains of Creosote.

Literature on application.

BERRIES, Cubeb, stemless.....lb 65
" powdered, ¼-lb 25.....lb 75
Juniper.....lb 10
" powdered.....lb 15
Prickly Ash.....lb 40
" powdered.....lb 50
BISMUTH AND AMMONIA CITRATE, soluble.....oz 30
Nitrate.....oz 29
Oxide, hydrated.....oz 34
Oxychloride.....oz 27
Salicylate, **Mallinckrodt's**.....oz 27
Subcarbonate, ¼-lb 75.....lb 2 55
Subgallate.....oz 50
Subiodide.....oz 40
Subnitrate, **Mallinckrodt's**.....lb 2 25
" 4-oz bottles, inclusive.....each 60
" Squibb's, 500-gramme boxes.....each 2 84
" Squibb's, 100-gramme boxes.....each 61
Tannate.....oz 33
Valerianate.....oz 65
BLACK HAW, Bark, powdered.....lb 30
BLOOD ROOT, powdered.....lb 20
BLUE FLAG ROOT, powdered.....lb 30
BLUE MASS, U. S. P.....lb 60
U. S. P., 4-oz jars.....each 20
Powdered.....¼ lb 25, lb 70
BLUE VITRIOL (Copper Sulphate).....lb 08
BORAX, Refined.....lb 12
Powdered.....lb 13
Pure, granulated.....lb 37
BORO-GLYCERIDE, solution, 50 per cent.....lb 1 00

Two parts by weight of this preparation represent one part of Solid Boroglyceride. Boroglyceride Solution is a convenient form for dispensing, and is more readily soluble in, and miscible with, other liquids than the solid Boroglyceride.

The 50 per cent. solution will be sent on all orders for Boroglyceride where solid is not specified.

BORO-GLYCERIDE, solution, 33⅓ per cent. { 1-lb bottle, by weight.....each 75 / 5-lb bottle, by weight.....each 3 25

BRANDY (see Wines and Liquors.)

BRIMSTONE.....lb 04
BROMINE.....oz 20

DRUGS AND CHEMICALS.

Prices include containers.

BRUCINE, ⅛-oz vials.....each $0 25
Sulphate, ¼-oz vials.....each 25
BUDS, Balm of Gilead.....lb 45
Cassia.....lb 27
BUCHU LEAVES (short).....lb 45
Powdered.....lb 50
BUCKTHORN BARK.....lb 20
Powdered.....lb 25
BURDOCK ROOT.....lb 20
Powdered.....lb 25
BUTTERNUT BARK.....lb 16
Powdered.....lb 20
BUTTER OF COCOA.....lb 50
Of Antimony.....lb 35
CADMIUM, Bromide, **Mallinckrodt's**.....oz 20
Chloride.....oz 29
Iodide.....oz 43
Nitrate.....oz 29
Sulphate, pure.....oz 29
CAFBROMALID, Acetaniled with Bromide of Caffiene and Sodium (see p.138)..lb 3 00
5-oz cans.....each 1 00
.....oz 25
Tablets, 5 grains, 100's, 40c.; 500's, $1.75.....per 1,000 3 00
" 2 " 100's, 25c.; 500's, $1.00.....per 1,000 1 75

Acetaniled with Bromide of Caffeine and Sodium Powder; perfectly white. Used largely as a substitute for Morphine, and as an Antipyretic and analgesic. Useful in all pyrexias and acute inflammatory affections, to reduce fever and to quiet pain. It is prescribed with great success in nervous or sick headache, neuralgia, siatica and rheumatism. In acute bronchitis, influenza and hay fever, the attack is often arrested within twenty-four hours (with 5-grain doses every two hours).

CAFFEINE, Alkaloid, pure, cryst.....⅛ oz 10, oz 45
Bromide, **Mallinckrodt's**.....⅛ oz 12, oz 65
Citrate.....⅛ oz 10, oz 45
Hydrobromate (Bromide), cryst.....⅛ oz 12, oz 65
Hydrochlorate, cryst.....⅛ oz 15, oz 80
Nitrate, cryst.....⅛ oz 20
Salicylate, true salt.....⅛ oz 18
Sulphate, cryst.....⅛ oz 15
Valerianate.....⅛ oz 15
And Sodium, benzoate.....⅛ oz 10, oz 55
" " Hydrobromate (Bromide of Caffeine and Sodium)...⅛ oz 18
" " Salicylate.....oz 10, ⅛ oz 55
CALAMUS ROOT (bleached).....lb 45
Powdered.....lb 40
CALCIUM, Bromide, **Mallinckrodt's**.....oz 12
Bromide " .....lb 79
Benzoate.....oz 34
Carb. precip.....lb 12
Chloride gran.....lb 47
Chloride, fused.....lb 47

DRUGS AND CHEMICALS.

Prices include containers.

CALCIUM, Hypophosphite	lb	$1 50
"	oz	18
Iodide, **Mallinckrodt's**	oz	47
Lactate	oz	24
Lactophosphate, soluble	oz	34
Phosphate, precip.	lb	26
Salicylate	oz	39
Sulphite	lb	29
Sulpho Carbolate	oz	14
CALENDULA, flowers	lb	50
Powdered	lb	60
CALOMEL, **Mallinckrodt's**	lb	95
English	lb	351

	¼-lb bots. each.	½-lb bots. each.	1-lb bots. each.
CAMPHENOL, from Refined Camphor and Synthetic Carbolic Acid	$0 30	$0 50	$0 80

Properties.—Antiseptic, Anæsthetic and Germicide. By virtue of its freedom from caustic or irritating properties, Camphenol is superior to Carbolic Acid as a surgical dressing. It is of great value wherever septic odors have to be overcome, and where a harmless, non-irritating but powerful antiseptic is indicated. Combined with Lavoline, it forms an excellent antiseptic and healing lotion, employed in diphtheria and scarlet fever, to remove fetor and to destroy the germs of contagion; in ulcerated conditions of the air passages and to correct offensive secretions in chronic nasal catarrh, etc Lavoline Spray Solution No. 2, containing 4 per cent. of Camphenol, is a suitable solution for application of spray. (See Lavoline Spray Solutions.)

CAMPHOR, refined	lb	60
Mono-bromide	oz	22
Powdered	lb	70
CANELLA, bark, powdered	lb	25
CANDY, Rock, on strings	lb	16
CANTHARIDES, Russian	lb	1 10
" powdered	lb	1 30
CAPSICUM, African, powdered	lb	25
CAPSULES, Gelatine (empty), in boxes of 100 each	per doz. boxes	1 00
Gelatine, " " "	single boxes	10
" " " 1000 each	per box	60
" " colored pink (100s)	per doz boxes	1 10
" " " " (100s)	per box	10
" " " " (1000s)	per box	65
Vaginal, Anderson's	boz	60
" " with Hydrastis and Opium	box	60
" " Iodoformized	box	60
CARAMEL, solution	lb	25
CARRAWAY SEED	lb	12
Powdered	lb	20

DRUGS AND CHEMICALS.

Prices include containers.

CARDAMOM SEED (Aleppo)	lb	$1 00
(Mangalor), bleached	lb	1 65
Powdered	lb	1 25
CARBON, bisulphide, **Mallinckrodt's**	lb	25
CARMINE NO. 40	oz	40
Sagrada, bark	lb	20
" powdered	lb	25
CASCARILLA, Bark, powdered	lb	30
CASSIA BARK, ordinary	lb	15
CASSIA (Saigon), bark	lb	45
" " powdered	lb	50
Buds	lb	27
CASTOR FIBRE, powdered	oz	1 00
CELERY SEED	lb	20
Powdered	lb	25

	4-oz jars, each.	8-oz jars, each.	1-lb jars, each.
CERATE, Calendula	$0 25	$0 45	$0 80
Camphor, U. S. P.	20	35	65
Cantharides, U. S. P.	35	60	1 00
Lead, sub-acetate, U. S. P.	20	35	60
Petrolatum	20	35	60
Resin, U. S. P.	15	25	45
Simple, U. S. P.	20	35	55
Spermaceti, U. S. P.	20	35	55

CERIUM NITRATE	oz	37
Oxalate, **Merck's**	oz	12
" **Mallinckrodt's**	oz	12
CHALK, French, powdered	lb	08
" Precipitated, English	lb	10
" Prepared, in drops	lb	10
" " 5-lb boxes	lb	09
CHAMOMILE FLOWERS, German	lb	40
Roman	lb	35
CHARCOAL, animal, powdered	lb	08
" purified, U. S. P.	lb	25
Willow, powdered	lb	15
" " (extra fine)	lb	30
CHIONIA	doz	8 00
CHINOIDINE, 1-oz rolls	oz	12
Powdered, 1-oz vials	oz	40
CHINOLINE, pure	oz	50
Tartrate	oz	50
CHLORALAMID, 25-gramme pkg		80
CHLORAL HYDRATE, Crusts, **Mallinckrodt's**	lb	1 50
Crystals, g. s. bottles	lb	1 50
" " "	½ lb	80
" " "	¼ lb	45
" " "	oz	20

DRUGS AND CHEMICALS.

Prices include containers.

CHLORIDES, Platt's	doz	$4 00
CHLORINE WATER	lb	40
CHLORINATED LIME, 1-lb impervious boxes	lb	10
¼-lb " "	lb	15
CHLOROFORM, Mallinckrodt's	lb	83
Purified	lb	70
R. & H.	per lb	
Squibb's	500-gramme bottle	1 40
"	250-gramme bottle	75
CINCHONA BARK (Calisaya)	lb	80
" powdered	lb	90
(Pale Loxa)	lb	50
" " powdered	lb	60
Red, powdered	lb	50
" (true), assayed, powdered	lb	1 00
Yellow, powdered	lb	25
CINCHONINE, Alkaloid, pure	oz	27
Bisulphate	oz	18
Mixture, 3-oz boxes	box	25
Muriate	oz	20
Salicylate	oz	30
Sulphate	oz	15
CINCHONIDINE, Alkaloid, pure	oz	30
Bisulphate	oz	22
Muriate	oz	20
Salicylate	oz	40
Sulphate, P. & W.	oz	14
" " 5 oz cans	oz	09
Truax, Greene & Co's	oz	11
" " " 5-oz cans	oz	07
" " " 100-oz cans	oz	3 50
CINNAMON BARK, Ceylon, powdered	lb	50
CINNAMON BARK, Cassia, powdered	lb	50
CLOVES	lb	20
Powdered	lb	25
COCOA, Leaf, powdered	lb	75
COCAINE, Alkaloid, ounce vials	oz	8 00
COCAINE HYDROCHLORATE (Muriate), 1-oz vials	oz	6 75
Hydrochlorate (Muriate), ½-oz vials	each	3 40
" ⅛-oz "	each	90
" 5, 10 and 15 gr vials	gr	02
Solution 4 per cent	oz	50
Muriate, Boehringer's (see page 146)	⅛-oz. vials, each	90
" " 5, 10 and 15 gr vials	gr	02
" **Mallinckrodt's,** 5, 10 and 15 gr vials	gr	02
" " ⅛-oz vials	each	90
" "	oz	6 75

Subject to market changes.

DRUGS AND CHEMICALS.

Prices include containers.

COCHINEAL, HONDURAS	lb	$0 40
Powdered	lb	45
COCOA, BUTTER OF	lb	50
CODEINE, Alkaloid, cryst., ⅛-oz vials	each	70
Phosphate, ⅛-oz vials	each	70
Sulphate, ⅛-oz vials	each	60
COD LIVER OIL, Tasteless (Wampole's)	doz	8 00
COLCHICINE, C. P., cryst., 15-gr vials	each	55
COLCHICUM, Root, powdered	lb	40
Seed, "	lb	60

	1-oz bots. each.	4-oz bots. each.	1-lb bots. each.
COLLODION, Simple, U. S. P.	15	30	1 00
Cantharidal	25	75	2 50
Flexible, U. S. P.	15	30	1 00
Iodized	25		
Iodoform	25		
Salicylated, comp. (corn cure)	25	75	2 50
Styptic, U. S. P	20	50	1 50

COLOCYNTH, Apples (Trieste)	lb	60
" powdered	lb	70
COLUMBO, root, foreign	lb	25
" powdered	lb	30
COMFREY, root, powdered	lb	25

COMPOSITION POWDER (See powders, compound).

	4-oz jars, each.	8-oz jars, each.	1-lb jars, each.
CONFECTION, Black Pepper	20	35	60
Opium, U. S. P.	60	1 15	2 15
Roses, "	20	35	60
Senna, "	20	35	60

CONIINE, alkaloid, ⅛-oz vials	each	70
Hydrobromate, cryst., 15-gr vials	each	50
CONIUM, leaf, powdered	lb	30
seed, "	lb	35
COPPER, Acetate pure	lb	80
Ammoniated	lb	70
Arseniate, **Mallinckrodt's**	oz	30
Arsenite	oz	25
Carbonate	lb	55
Chloride	lb	75
Iodide	oz	70
Oxide, black	oz	12
Subacetate (Verdigris)	lb	45
Sulphate (Blue Vitrol)	lb	08
" gran., C. P., **Mallinckrodt's**, 1 lb. bottles	lb	28

DRUGS AND CHEMICALS.

Prices include container.

COPPERAS	lb	$0 03
5 lbs or more	lb	02
CORIANDER SEED	lb	12
Powdered	lb	25
CORROSIVE SUBLIMATE (see Mercury).		

	1-lb cans.	5-lb cans.
COSMOLINE, Camphorated	46	1 70
Carbolized	46	1 70
Plain	35	1 40
White	70	2 85

COTO BARK, Powdered	lb	1 25
COTOIN, 15-grain vials	each	35
COWHAGE	oz	45
CRAB ORCHARD SALTS	lb	25
CRANESBILL, Root, powdered	lb	35
CREAM TARTAR, Commercial	lb	20
CREOSOTE, German, white	oz 10, ¼ lb 25, lb	50
From Beechwood Tar	oz 22, ¼ lb 50, lb	1 75
CREOLIN-PEARSON, **Merck's**, 1 lb c. b.	lb	50

Dark brown, syrupy liquid, sp. gr. 1.040-1.080. Sol.: in W. (to 2½ per cent.), A,. E., C. External and internal Antiseptic, Deodorant, etc.; non-poisonous Succedaneum for Carbolic Acid. Applic.: mostly in ½-2 per cent. solut., sometimes undiluted. Dose: 0.03-0.3 gramme (½-5m) 3 times a day, in pills.

CROTON CHLORAL	oz	55
CROTON OIL (see Oils).		
CUBEB, Berries, stemless	lb	65
" powdered	lb	75
CUDBEAR	lb	25
CULVER'S ROOT, powdered	lb	35
CUMARIN, ⅛-oz vials	each	35
CURCUMA, powdered	lb	15
CUTTLE FISH BONE	lb	25
Powdered	lb	30
DANDELION, Root, German	lb	25
Powdered	lb	30
DATURINE, Alkaloid, 5-grain vials	each	75
Hydrochlorate, 5-grain vials	each	75
Sulphate, 5-grain vials	each	75
DERMATOL	oz	60

A Basic Bismuth Gallate: A saffron yellow powder, insoluble in water, alcohol or ether; odorless, non-hydroscopic, astringent, non-poisonous, non-irritating, stable, being unaffected by steam or dry heat, and having the power to check bacterial growth to a certain extent, though this was not claimed by its sponsors. Dr. Arthur K. Stone, of Boston.

The profession is justified in considering Dermatol to be *the very best non-toxic* local *remedy* for Diarrhoea to be found in our modern Pharmacopœia.
C. Colasanti, M. D., Professor at the Rome (Italy) University.

Dr. B. E. Vaughan reports over 65 cases in which he employed Dermatol in acute Urethri-

DRUGS AND CHEMICALS.

tis, and concludes by saying that DERMATOL is the most efficacious drug he has ever used for acute Urethritis.

Professor Rogner, of Vienna, considers DERMATOL the best dry antiseptic we possess.

A succedaneum for IODOFORM for *external* application and BISMUTH SUB-NITRATE for *internal* administration.

CONDITIONS IN WHICH DERMATOL POSSESSES ADVANTAGES OVER IODOFORM.

DERMATOL.	IODOFORM.
1. It is not poisonous.	1. It is distinctly poisonous.
2. It is without odor.	2. Its odor is exceedingly disagreeable.
3. It is absolutely non-irritating; it allays irritation.	3. It produces in many instances a troublesome dermatitis of the surrounding skin.
4. It can be sterilized by dry or moist heat (this may be of distinct advantage when gauze is employed).	4. Iodoform can not be sterlized without decomposition.
5. It seems, at present, to lessen discharge to a greater extent, and to favor epithelial formation to a greater degree than does Iodoform.	

Prices include containers

DERMATOL DUSTING POWDER $0 25

Put up in convenient sprinkle-top containers.
Literature on application.

DEXTRINE ..... lb 12

DIGITALIN ..... ⅛-oz 35

DIGITALIS, Leaf, powdered ..... lb 40

DIURETIN, Knoll, 1-oz bots ..... oz 1 75

DRAGON'S BLOOD, powder ..... lb 45

DUBOISINE, pure, amorphous ..... 5-gr vials 1 00

Sulphate ..... 5-gr vials 1 00

EARTH, FULLER'S, powdered ..... lb 10

EIKONOGEN ..... oz 37

ELATERINE, cryst., 15 gr vials ..... each 1 25

ELATERIUM, ⅛ oz 25 ..... oz 1 50

ELECAMPANE, root, powdered ..... lb 25

ELDER FLOWERS ..... lb 25

Powdered ..... lb 30

ELM, bark, select slabs ..... lb 14

" powdered ..... lb 15

EMETINE ..... ¼-oz 60

EPSOM SALTS ..... lb 03

ERGOT, Spanish, powdered, ¼-lb 25 ..... lb 85

ERGOTINE ..... oz 44

Merck's, Bonjean's formula ..... oz 44

ERGOTOLE (S. & D.) ..... per doz. ozs 4 50

ESERINE (Physostigmine), C. P., 5-gr tubes ..... each 1 25

Citrate, 5-gr vials ..... each 1 00

Hydrobromate, cryst., 5-gr vials ..... each 1 00

Sulphate, 5-gr tubes ..... each 70

ESSENCE OF CINNAMON, ¼-lb 20 ..... lb 60

Ginger (Fluid Ginger,) ¼-lb 25 ..... lb 75

Lemon, ¼-lb 25 ..... lb 75

Peppermint, ¼-lb 25 ..... lb 80

Vanilla, ¼-lb 45 ..... lb 1 60

Wintergreen, ¼-lb 25 ..... lb 75

DRUGS AND CHEMICALS.

Prices include containers.

ETHER, Acetic, **Mallinckrodt's**.....lb 69
Butyric.....lb 1 39
Chloric (spts. Chloroform, U. S. P.).....lb 60
Formic.....lb 2 84
Hydriodic (Iodide Ethyl).....oz 44
Hydrobromic (Bromide Ethyl).....oz 26
ETHER, Nitrous conc'd, (1 to 19), ¼-lb 45.....lb 1 25
Spirit Nitrous, U. S. P.....lb 50
Sulphuric, con'd (stronger for Anæsthesia), **Mallinckrodt's**, ¼-lb 27, ½-lb 49.....lb 87
" Squibb's, 100 grammes, 31c.; 250 grammes, 66c.; 500 grammes 1 25
ETHYL, Bromide.....oz 26
Chloride, 10-gramme tubes.....each 75
Iodide.....oz 44
EUCALYPTOL, Limpid.....oz 50

	1-pt bots.	5 s.	1 gal.
EUCALYPTOL, Compound, "Micrazotol".....	$0 60	$2 50	$3 75

Antiseptic Solution, composed of Eucalyptol, Thymol, Resorcin, Menthol, and Benzoic Acid, combined with a 5 per cent. solution of Boro-glyceride.

EUCALYPTUS, leaf, powdered.....lb 30
EUGENOIL.....oz 30
EUROPHEN, 1-oz cartons.....oz 1 80

Europhen is a complete substitute for iodoform and is indicated in specific lesions, burns, ulcerations, and all external traumatisms. It has an agreeable odor, and covers five times more surface than iodoform.

EUROPHEN-ARISTOL, 1-oz cartons.....oz $1 80

A preparation consisting of equal parts of each medicament.

EXTRACTS, Fluid (see List).
EXTRACT, Beef (see Beef).
Lemon.....lb 75
Licorice, imported.....lb 38
" domestic.....lb 30
" powdered.....lb 40
Logwood, 1s.....lb 13
Witch Hazel, distilled.....pt., 25, gal 1 00
Vanilla.....lb 1 60
FENNEL SEED, powdered.....lb 24
FLAX SEED, ground.....lb 05
FLOWERS, see under name of Flowers wanted.
FLUID MALT (see Malt Fluid).
Palmetto.....lb 1 25

A modified fluid extract of the fresh berries of Serenoa serrulata (Saw Palmetto). Represents all the active medicinal constituents of the drug. Miscible with elixir, wine, syrup, glycerin or water.

Palmetto, Compound.....lb 1 00

Each fluidrachm represents 30 grains of Saw Palmetto combined with Couch Grass and Sandal-wood. This compound is a valuable diuretic and nutrient tonic and acts specifically upon the entire reproductive organs. It relieves irritation of tissues, improves digestion and gives prompt relief in retension of the urine. Its action upon the glands of the reproductive organs makes it of special therapeutical interest in the treatment of prostatic troubles, uterine atrophy, etc.

DRUGS AND CHEMICALS.

Prices include containers.

FŒNUGREEK, seed, powdered	lb	$0 10
FOIL, Tin	lb	30
FOWLER'S SOLUTION	lb	20
FULLER'S EARTH, powdered	lb	10
GALLS, Aleppo, powdered	lb	30
GELATINE, Cooper's, sheet	lb	55
French, white	lb	60
GELSEMIN	oz	1 13
GENTIAN ROOT, ground	lb	12
" " powdered	lb	15
GERANIN	oz	38
GERANIUM ROOT, powdered	lb	25
GIN (see Wines and Liquors).		
GINGER (African), powdered	lb	18
Jamaica, bleached	lb	23
" powdered	lb	25
GLASS, Soluble (Silicate of Soda), solution	lb	20
GLAUBER SALTS (see Sal. Glauber)	lb	03
GLUCOSE, Syrupy	lb	20
GLUE, Brown	lb	18
White	lb	30
GLUTEN, Meal	lb	12
GLYCERINE, Pure, 1-pint bottles	1¼ lb	35
Pure, 1-qt bottles	2½ lbs	58
Pure, ½-gal jugs	5 lbs	1 05
Pure, 1-gal jugs	10 lbs	1 90
Pure, 50-lb cans	lb	17
Bower's, 1-lb bottles	lb	75
Price's, 1-lb bottles	lb	75
GOA POWDER	oz	25
GOLDEN SEAL, Root, powdered	lb	45
GRANVILLE'S LOTION	lb	53
GUAIAC WOOD, rasped	lb	08
GUAIACOL	oz	87
GUAIACOL CARBONATE, 1-oz vials	oz	1 75
GUARANA, Powdered	lb	2 00
GUM, Aloes, Barbadoes	lb	30
" " powdered	lb	35
" Cape	lb	14
" " powdered	lb	20
" Socotrine	lb	50
" " powdered	lb	60
Ammoniac, Tears	lb	35
Arabic, 1st quality	lb	1 00
" 2nd "	lb	85
" 3rd "	lb	70
" powdered, select	lb	1 05
" granulated	lb	1 05

DRUGS AND CHEMICALS.

Prices include containers.

GUM, Asafœtida, select	lb	$0 40
" powdered, in bottles, ¼-lb 20	lb	50
Benzoin, marbled	lb	60
" powdered	lb	65
Camphor, refined	lb	55
" powdered	lb	70
Catechu, true	lb	15
" powdered	lb	30
Euphorbium, powdered	lb	40
Galbanum, strained	lb	3 50
Gamboge, powdered	lb	80
Guaiac, strained	lb	45
" powdered	lb	50
Hemlock	lb	60
Kino, true	lb	35
" powdered	lb	40
Mastic	lb	1 00
Myrrh, select	lb	45
" powdered	lb	50
Olibanum, Tears	lb	30
" powdered	lb	35
Opium, select	lb	3 50
" powdered, assayed, oz 35, ¼-lb $1.25	lb	4 75
Sandarac	lb	40
Scammony, powdered	lb	9 50
Senegal	lb	40
Shellac	lb	30
" ground	lb	35
Storax, liquid	lb	40
Thus (Turpentine)	lb	10
Tragacanth, flake	lb	60
" sorts	lb	40
" powdered	lb	90
GUN COTTON	oz	40
GUTTA PERCHA, Chips	lb	1 75
HÆMATIC HYPOPHOSPHITES (See Syrup Hyphosphites).		
HAMAMELIS, Extract, distilled, pt. 25	gal	1 00
HELLEBORE, black, powdered	lb	30
white, powdered	lb	30
HEMLOCK BARK, powdered	lb	25
HENBANE, Leaf, powdered	lb	35
HIERA PICRA (Powdered Aloes and Canula)	lb	40
HOFFMAN'S ANODYNE, ¼-lb 20	lb	60
True, ¼-lb 30	lb	1 00
HONEY, Strained, containers extra	lb	14
HOPS, New, bulk	lb	40
Pressed, ¼ s and ½ s	lb	30

DRUGS AND CHEMICALS.

Prices include containers.

HYDROGEN, Per-oxide, **Mallinckrodt's**.....¼ lb. 18, ½ lb. 25, lb $0 40
Ernest Drevet's.....¼ lb. 20, ½ lb. 30, lb 45
Marchand's.....¼ lb. 32, ½ lb. 45, lb 65
Oakland.....¼ lb. 25, ½ lb. 35, lb 60
Peuchot's.....¼ lb. 25, ½ lb. 35, lb 45
HYOSCYAMINE HYDROBROMATE, 5-gr vials.....each 75
HYDRANGEA ROOT, Powdered.....lb 30
ICHTHYOL (AMMONIUM SULPHO-ICHTHYOLATE, **Merck's**.....oz 45
" " " ¼ lb., $1.50; ½ lb., $2.95; lb 5 75

$C_{28}H_{36}S_3O_6(NH_4)_2$.—Thick, brownish liquid, containing 15 per cent. of easily assimable Sulphur; sp. gr., 1.106. SOL.: in W., mixture of A. and E., Gl.; only partly sol. in pure A. or pure E.; freely miscible with Oils. ANTIPHLOGISTIC, ANODYNE, ALTERATIVE, etc. (Cutaneous Affections, Rheumatism, Scrofula, Inflammatory Diseases of Women, etc.). APPLIC.: in 5-50 per cent. oint., solut., etc. DOSE: 0.2-0.6 gramme (3-10 m) 3 times daily, well diluted, or in pills or capsules.

INDIGO, Madras.....lb 85
Manilla.....lb 75
INSECT POWDER, 1-lb cartons.....lb 30
IODINE, Resublimed, **Mallinckrodt's**.....oz 40
Bromide.....oz 85
" Solution, 15 per cent.....oz 35
Chloride.....oz 80
Tincture, oz. 15, ¼-lb 32.....lb 90
IODOFORM, Powdered, **Mallinckrodt's**, oz 44, ¼-lb 1 35.....lb 4 89
Cryst., oz 44. ¼-lb 1 35.....lb 4 89
IODOLE (Tetra-iodo-pyrrole). **Merck's**, 1-oz. g. s. v.....oz 1 25

C_4I_4NH.—Grayish-brown, inodorous powder, consisting of 88.97 per cent Iodine. Sol.: in 3 A., 1. E., 5,000 W., 15 Oil Nontoxic Succedaneum for Iodoform. Very attenuable from its lightness and fineness. APPLIC.: like Iodoform. DOSE: 0.5-1.5-3 (!) grammes (7½-23-45 (!) grs.) daily.

INDIAN TURNIP, Powdered.....lb 35
IPECAC, Root, powdered.....lb 2 40
IRISIN.....oz 45
IRON, Acetate, dry.....oz 29
" liquor.....lb 44
" tincture.....lb 65
" Radinmacher's.....lb 80
Arseniate.....oz 24
Arsenite.....oz 24
Benzoate.....oz 44
Bromide, **Mallinckrodt's**.....oz 20
By Hydrogen, gray, oz 12.....lb 93
Carbonate, Precip.....lb 20
" Proto (Vallet's Mass), **Mallinckrodt's**, in jars.....lb 45
" (Saccharated), in bottles.....lb 60
Chloride, Crystals.....oz 13
" Solution, for tincture.....pint 30
" Tincture.....lb 40
" Proto.....oz 20
Citrate, U. S. P., oz 12.....lb 82
" Soluble, **Mallinckrodt's**, oz 13.....lb 78
" and Ammonium, oz 13.....lb 78
" and Quinine, Sol., oz 22.....lb 2 20

DRUGS AND CHEMICALS.

Prices include containers.

IRON, Citrate and Quinine, with Strychnine, oz 25	lb	$2 70
" " Strychnine, oz 21	lb	1 70
Citro-Chloride Tincture	lb	65
Ferrocyanide, bottle, oz 11c	lb	69
" cartons	lb	59
Filings, bulk	lb	10
Hydrated Oxide, mass, bottle	lb	44
" " dry, "	lb	79
Hypophosphite, bottles	oz	26
Iodide, **Mallinckrodt's**, bottle	oz	40
" Syrup (see Syrups.)		
" Saccharated, bottle	oz	47
Lactate, bottle	oz	12
Lactophosphate, bottle	oz	34
Nitrate Solution, U. S. P. (Pernitrate), bottle	lb	40
Oxalate, bottle	oz	19
Oxide, Saccharated, bottle	lb	65
(Ferr. Oxyd. Sacchr. Solubile, Ph. Germ.)		
" Black (Ethiop's Martial), bottle	lb	49
Pernitrate (See Nitrate Iron Solution.)		
Phosphate, Precip., in bottles	lb	60
" " in cartons	lb	50
" Scales, U. S. P., in bottle, oz 12	lb	84
Pyrophosphate, U. S. P., in bottles, oz 12	lb	78
Reduced (See Iron by Hydrogen.)		
Salicylate, in bottles	oz	39
Subsulphate (Monsel's Powder) in bottles, oz 9	lb	52
" in cartons	lb	45
" solution, Monsel's, in bottles	lb	37
Succinate Hydrated, in bottles	oz	54
Sulphate, (Copperas)	lb	02
" Granulated, **Mallinckrodt's**, in bottles	lb	25
" Dried, pure, in cartons	lb	18
Sulphocarbolate	oz	14
Sulphuret	lb	24
Tannate	oz	29
Tersulphate, Solution	lb	34
Valerianate	oz	29
with Ammonia Protosulphate	lb	23
" Ammonium, Tartrate, oz 12	lb	72
" Potassium Tartrate, Scales, oz 12	lb	65
JABORANDI, Leaves, powdered, ¼ lb 15	lb	50
JAMBUL SEED, powdered, in oz vials	per oz	30
JEQUIRITY SEED	per oz	15
Powdered, in oz bots	per oz	20
JALAPIN (resinoid)	oz	45
JUGLANDIN (resinoid)	oz	45

DRUGS AND CHEMICALS.

Prices include containers.

JUNIPER BERRIES	lb	$0 10
Powdered, ¼ lb 08	lb	20
KAMALA, powdered, ¼lb 18	lb	62
KERMES, Mineral (see Antimony Sulphide, Red).		
KINO, Ginn (true), ¼ lb 17	lb	55
" " powdered, ¼ lb 16	lb	50
KOLA NUT, powdered, ¼ lb 18	lb	62
KOOSSO FLOWERS	lb	90
Powdered, ¼ lb 28	lb	95
LABARRAQUE'S SOLUTION (Chlorinated Solution of Soda). in qt. bots.	each	25
" " " "	per doz quarts	2 00
LAC SULPHUR, pure	lb	17
LACTUCARIUM	oz	59
LADIES' SLIPPER, root, powdered, ¼lb 13	lb	42
LANOLINE LIEBRICH PURISS	lb	85

Is the purified fat obtained from sheep's wool, and is natural to the hair and skin, and is absorbed by these at once. It is the best basis known for ointment salves, etc., having valuable antiseptic properties; perfectly miscible with water and all medicaments; never becomes rancid; does not melt or run below body heat; homogeneous; devoid of hard crystaline bodies, and free fatty acids, and the only "true" ointment base in our modern pharmacopoeia. Literature on application. See advertisement.

LAUDANUM (See Tinct. Opium, U. S. P.)		
LARD, Benzoated, 1-lb jars	lb	35
LAVOLINE, lb 40	5-pint bottles	1 75

This is a petroleum product, perfectly colorless, odorless and tasteless, having all the emollient and healing principles contained in the finer grades of Petrolatum. Its fluid consistency adapts it for use in atomizers, and its perfect freedom from any objectionable or irritating properties renders it valuable in the treatment of diseases of the mucous membrane. It forms clear solutions with various remedies used in affections of the nose, throat and lungs, and will be found an excellent vehicle for their administration in the form of spray.

LEAD, Acetate, white, bulk	lb	20
" white, powdered, bulk	lb	29
" purified, granular, bulk	lb	29
Benzoate	oz	44
Carbonate	lb	10
Carbonate, neutral, C. P., 1-lb bots	each	99
Chloride, 1-oz vials	oz	17
Iodide, **Mallinckrodt's**, 1-oz vials	oz	36
Nitrate	lb	17
" chemically pure	lb	50
Oxide, com'l, bulk	lb	10
" chemically pure	lb	1 10
Sub Acetate, sol	lb	25
Tannate, 1-oz vials	oz	34
LEAVES (see under name of drug wanted).		
LEECHES, Swedish	doz	85
LICORICE ROOT, select	lb	20
powdered	lb	16
Russian, cut	lb	25
" powdered	lb	0

DRUGS AND CHEMICALS.

Prices include containers.

LICORICE ROOT, Extract, powdered	lb	$0 40	
" imported (in sticks)	lb	38	
" domestic "	lb	30	
LIME (see Calcium).			
Chloride (Chlorinated Lime), 1-lb boxes	lb	12	
" " " ¼-lb "	lb	15	
LIME WATER, 1-pt. bottles	per pint	20	

	1-pt bots. each.	5-pt bots. each.	Gal. bots each.
LINIMENT, Aconite and Chloroform	$0 60	$2 40	$3 75
Composed of Tincture of Aconite, Chloroform and Soap Liniment.			
Ammonia, U. S. P., (Volatile Liniment)	25	1 00	1 50
Belladonna, U. S. P	1 20		
Camphor, U. S. P	40	1 50	2 25
Camphor Compound, Br	65	2 60	4 00
Composed of Camphor, Oil of Lavender, strong water of Ammonia, and Rectified Spirit.			
Chloroform, U. S. P	65	2 60	4 00
Croton Oil, Br	1 00	4 50	7 00
Iodide of Ammonia	60	2 40	3 75
Composed of Iodide of Ammonia, Camphor, Ol. Rosemary, Ol. Lavender and Alcohol.			
Iodine, N. F	1 50		
Lead, Sub-acetate, U. S. P	35	1 25	1 90
Lime, U. S. P	25	1 00	1 50
This Liniment is also called Carron Oil, deriving this name from the Carron Iron Works, Scotland, where it was extensively used for burns.			
LINIMENT, Rheumatic	75	3 25	5 00
Composed of Ol. Origanum, Aconite, Opium, Chloroform and Soap Liniment.			
Mustard Compound, U. S. P	1 00		
Soap, U. S. P	60	2 40	3 60
Stillingia Compound, A. D	3 50		
Composed of Ol. Stillingia, Ol. Cajaput, Ol. Lobelia and Alcohol.			
Turpentine, U. S. P	40	1 50	2 25

LITHARGE	lb	10
LITHIUM, Acetate	oz	64
Benzoate, **Mallinckrodt's,** 1-oz vials	oz	26
Bromide, 1-oz vials	oz	29
Carbonate, 1-oz vials	oz	26
Chloride	oz	44
Citrate, 1-oz vials	oz	26
Iodide, 1-oz vials	oz	52
Nitrate, 1-oz vials	oz	44
Salicylate, 1-oz vials	oz	27
LITMUS PAPER (in books), blue or red	each	10
" " Blue or red (in sheets)	each	50

DRUGS AND CHEMICALS.

Prices include containers.

LOGWOOD, Extract, 1s	lb	$0 13
LOBELIA, Herb, powd	lb	30
" Seed, powd	lb	40
LUNAR CAUSTIC, Pure, **Mallinckrodt's**	oz	71
LUPULIN	lb	1 25
LYCOPODIUM	lb	65
MACE	lb	85
Powd	lb	90
MADDER, Dutch	lb	20
MAGNESIUM, Benzoate, 1-oz vials	oz	42
Boro Citrate, 1-oz vials	oz	18
Bromide, 1-oz vials	oz	42
Calcined, 1-lb cans	lb	65
Carbonate, 1-oz	lb	24
Carbonate, 2-oz	lb	22
Carbonate, 4-oz	lb	20
Chloride, fused	lb	60
MAGNESIUM, Citrate, granular, effervescent (Warner's)	doz	3 20
" " " "	lb	65
" solution	doz	2 00
Hypophosphite, 1-oz vials	oz	31
Hypophosphite	lb	3 59
Iodide, 1-oz vials	oz	72
Phosphate, 1-oz vials	oz	17
Salicylate, 1-oz vials	oz	44
Sulphate (see Sal. Epsom).		
" dried	lb	34
Sulphite, 1-lb carton	lb	82
MANDRAKE, root, powdered	lb	20
MANGANESE, Black Oxide, 1-lb carton	lb	10
Borate, 1-lb bottles	lb	47
MANGANESE, Bromide, **Mallinckrodt's**, 1-oz vials	oz	62
Carbonate, 1-oz vials	oz	32
Chloride, 1-oz vials	oz	14
Citrate, 1-oz vials	oz	44
Hypophosphite, 1-oz vials	oz	31
Iodide, **Mallinckrodt's**, 1-oz vials	oz	82
Phosphate, 1-oz vials	oz	34
Sulphate, 1-oz vials	oz	13
Sulphate, 1-lb bottles	lb	69
MANNA, large flake	lb	1 40
small flake	lb	70
MANNIT, pure	lb	2 00
MATICO, leaf, powdered	lb	45
MARSHMALLOW, root, cut	lb	30
" powdered	lb	35
MECONIN, ⅛-oz vials	each	2 60
MENTHOL, pure, cryst	oz	44

DRUGS AND CHEMICALS.

Prices include containers.

MERCURY, Distilled	lb	$0 80
Acetate, 1-oz vials	oz	38
Ammoniated (white precip.) 1-lb bottle	lb	1 13
Bi-chloride (Corrosive Sublimate)	lb	96
Bisulphate, 1-oz vials	oz	13
Bisulphate, 1-lb bottles	lb	68
Bisulphuret (Cinnabar)	lb	1 65
Bromide, 1-oz vials	oz	41
Chloride (Calomel)	lb	95
Cyanide, 1-oz vials	oz	29
Iodide, green, **Mallinckrodt's**, 1-oz vials	oz	28
Iodide, red, 1-oz vials	oz	31
Iodide, yellow, 1-oz vials	oz	29
Nitrate, proto., 1-oz vials	oz	28
Nitrate, solution, 1-oz vials	oz	22
Oxide, black, 1-oz vials	oz	18
Oxide, yellow, 1-oz vials	oz	18
Salicylate, 1-oz vials	oz	49
Subsulphate, 1-oz vials	oz	15
Subsulphate, 1-lb bottles	lb	1 08
Sulpho-Cyanide, 1-oz vials	oz	29
Sulphuret, black, 1-lb bottle	lb	78
Tannate, 1-oz vials	oz	38
With chalk, 1-lb bottles	lb	49
With Magnesia, 1-lb bottles	lb	1 12
MERCURIAL OINTMENT, ½ Mercury, 1-lb jars	lb	70
⅛ " "	lb	60
METHYLENE, Bichloride	oz	72
MILK SUGAR, powdered	lb	25
MEZEREON, bark, powdered	lb	35
MICRAZOTOL (Antiseptic Sol. Eucalyptol Comp.), pt. 60; 5-pt. bot. $2 60; gal		3 75
MORPHINE, Acetate, ⅛-oz vials	oz	2 75
Acetate, 1-oz vials	oz	2 50
Bimeconate, ⅛-oz vials	oz	3 15
" solution	lb	1 75
Muriate, ⅛-oz vials	oz	2 75
" 1 "	oz	2 50
Pure Alkaloid, ⅛-oz vials	each	50
Sulphate, ⅛-oz vials	oz	2 75
" 1 "	oz	2 50
Valerianate, ⅛-oz vials	each	55
MOSS, Iceland	lb	15
Irish, extra	lb	25
MUSK, Chinese	oz	35
Tonquin, grain, ⅛-oz vials	each	4 50
MUSTARD, seed, black	lb	10
" white, English	lb	12
ground, pure	lb	30

Subject to Market Changes.

DRUGS AND CHEMICALS.

Prices include containers.

MYRRH, gum (select)	lb	$0 45
" powdered	lb	50
NAPHTHA, (wood naphtha), 1-lb. bottles	lb	35
NAPHTHALINE, pure	lb	15
NAPHTHOL, pure	oz	34
Beta	oz	20
NARCEINE, ⅛-oz vials	each	1 00
NARCOTINE, ⅛-oz vials	oz	1 25
NICKEL, Bromide, 1-oz vials	oz	47
Chloride, 1-oz vials	oz	24
Nitrate, 1-oz vials	oz	27
Oxide, 1-oz vials	oz	34
Sulphate, 1-oz vials	oz	14
Sulphate and Ammonia	lb	44
NITROGLYCERINE, solution (1 per cent.) oz 15, ¼ lb 35	lb	1 10
NUTGALS, Aleppo, powd	lb	30
NUTMEGS	lb	70
Powdered	lb	80
NUTS, Areca, powd	lb	30
Kola, powd	lb	60
NUX VOMICA, powd	lb	22

Prices include containers.	1-oz vials,	4-oz vials,	Per lb.
OIL, Almonds, bitter	$0 60		
" sweet	10	$0 25	$0 70
Amber, rectified	10	20	50
Anise	20	60	2 00
Arnica	50		
Bay, *imported*	50		
Benne, gallon $1.20, container extra			25
Bergamot	30	90	3 50
Black Pepper	15	30	1 10
British		20	55
Cade		15	40
Cajeput		30	90
Camphorated			40
Capsicum	75		
Caraway	25	70	2 30
Cardamom	3 00		
Cassia	15	40	1 30
Castor, pure, gallon $1.40, container extra			25
Cedar, pure		20	70
Chaulmoogra		80	3 00
Cinnamon, Ceylon, true	1 25		
Citronella	12	25	75
Cloves	15	35	1 10
Cocoanut			25

DRUGS AND CHEMICALS.

Prices include containers.	1-oz. vials.	4-oz. vials.	Per lb.
OIL, Cod Liver, Norwegian, gallon $1.25, container extra			$0 25
Copaiba	$ 0 15	$0 40	1 25
Coriander	80		
Cottonseed, gallon 80c., container extra			20
Croton, English	15	40	1 25
Cubebs	45		
Cumin	40		
Erigeron (Fleabane)	25		
Eucalyptus	20	60	2 00
Fennel	25		
Fireweed	25	80	2 85
Geranium, Rose-Chiris	1 00		
Hemlock		25	70
Horsemint	22	65	2 25
Horseradish	1 20		
Juniper Berries	20	50	1 75
" Wood	10	20	50
Lavender flowers, Chiris	30		
" Garden	12	30	90
Lemon	25	80	3 00
Lobelia	75		
Male Fern	35		
Mullein, Genuine	65		
Mustard, essential	60		
Neroli, Bigarade	3 25		
" Petit grain	60		
Nutmegs	35		
Olive, Malaga, gallon $1.00, container extra			25
" Tuscan, salad			40
Orange, Sanderson's	30	85	3 00
Origanum, commercial		15	40
" red, pure		30	1 00
Pennyroyal	25	70	2 50
Peppermint	30	85	3 25
Pimento	25		
Pine Needles	15	35	1 10
Pumpkin Seed	65		
Rhodium	45		
" True	80		
Rose, 1-drachm vials, each $1.10	8 00		
" Geranium	1 00		
Rosemary			
Sandalwood, East India	60		
" German	35	1 10	
Sassafras			60
Savin, German	20	50	1 60
Smartweed	35	1 20	4 50

DRUGS AND CHEMICALS.

Prices include containers.	1-oz vials.	4-oz vials.	Per lb.
OIL, Spearmint	$0 25	$0 70	$2 50
Sperm, gallon, $1.10, container extra			25
Spike			25
Spruce			60
Stillingia	70		
Stone			25
Tansy	30	95	3 50
Tar			20
Thyme, white, pure		45	1 50
Turpentine, rectified			45
Wine, heavy	45	1 35	
" light	30	1 00	
Wintergreen	25	65	2 25
Wormseed	25		
Wormwood	45		
OINTMENT, U. S. P	15	25	40
Basilicon	15	25	40
Bearsfoot	25	40	75
Belladonna	25	45	80
Benzoinated, U. S. P			30
Bitter Sweet, true, *Dulcamara*	25	40	70
" false	25	40	70
Boroglyceride, 25 per cent	25	40	65
" Thymolated	25	40	70
Ointment of Boroglyceride is free from irritating properties. It lessens suppuration, acts as a detergent, and forms a soothing and disinfecting application. It may be employed as a dressing to fresh wounds, burns or scalds, to prevent the action of atmospheric germs, or to arrest decomposition in gangrenous, sloughing or ill-conditioned wounds, etc.			
Cantharides, U. S. P	25	45	80
Carbolic, "	15	30	50
Chrysarobin, "	30	50	90
Citrine, U. S. P	20	35	60
Diachylon	15	25	40
Elder Flowers	25	40	70
Gallic Acid, U. S. P	20	35	60
Iodide of Lead, U. S. P	25	45	80
Iodine, U. S. P	25	40	70
Iodoform, U. S. P	40	70	1 52
Mayer's, A. D	25	40	70
Mercurial, ½ mercury	25	40	70
" ⅛ "	20	35	60
Mercury, ammoniated, U. S. P	20	35	60
" Red Iodide, U. S. P	30	55	1 00
" Red Oxide, U. S. P	20	35	60
" Yellow Oxide, U. S. P	30	55	1 00

DRUGS AND CHEMICALS.

Prices include containers.	4-oz. jars, each.	8-oz. jars, each.	1-lb. jars, each.
OINTMENT, Nutgall, U. S. P.	$0 20	$0 30	$0 50
Oleate Copper, 20 per cent. Oleate	40	70	1 30
" Mercury, 10 per cent. Oleate	40	70	1 30
" Zinc, Neutral, 25 per cent. Oleate	40	70	1 30
Oxide of Zinc, Benzoinated, U. S. P.	20	35	60
" " Comp., A. D.	25	40	75
Poke Root, A. D.	20	35	60
Rose, (Cold Cream), U. S. P.	30	55	1 00
Stramonium, U. S. P.	25	45	80
Sulphur, U. S. P.	15	25	40
" Alkaline, U. S. P.	15	25	40
" Compound, N. F.	20	35	60
Tannic Acid, U. S. P.	20	35	60
Tar, U. S. P.	15	25	40
" Compound	20	35	60
Containing Oxide of Zinc and Ol. Tar.			

	1 oz.	¼ lb.	½ lb.	1 lb.
OLEATE, Bismuth	$0 25	90	1 70	3 25
Copper, see Ointment, Oleate of Copper	20	65	1 20	2 25
Mercury, 20 per cent	25	90	1 70	3 25

Experience has shown that Oleates of Mercury of 5 per cent. and 10 per cent. do not keep well, and, owing to their unstable character, have been omitted from this list. On all orders where no strength is specified, the 20 per cent. Oleate will be sent.

Mercury and Morphine	60			
Representing Mercury Oxide 20 per cent., Morphine 5 per cent.				
Zinc, precipitated	20	65	1 20	2 25
(See Ointment Oleate Zinc).				

	per oz
OLEATES OF ALKALOIDS, Aconitine	$0 60
Containing 2 per cent of the Alkaloid.	
Atropine	50
Containing 2 per cent of the Alkaloid.	
Cocaine	75
Containing 5 per cent of the Alkaloid.	
Hydrastine	1 00
Containing 5 per cent of the Alkaloid.	
Morphine	70
Containing 10 per cent of the Alkaloid.	
Quinine	40
Containing 25 per cent of the Alkaloid.	
Strychnine	30
Containing 2 per cent of the Alkaloid.	
Veratrine	75
Containing 10 per cent of the Alkaloid.	
Contains 20 per cent. of pure pancreatin.	

DRUGS AND CHEMICALS.

Prices include containers

OLEO RESIN, Cubebs ..... oz $0 50
Male Fern ..... oz 60
OPIUM (For fluid prep. of Opium, see Tinctures)
Denarcotized ..... oz 75
Gum (natural), select ..... lb 3 50
" powdered, U. S. P., assayed ..... lb 4 75
" " " " ..... oz 35
Orange Peel (bitter), powd., ¼ lb., 10 ..... lb 25
" " (sweet), powd., ¼ lb., 10 ..... lb 25
Orris Root (Iris Florintina), ¼ lb., 15 ..... lb 50
" " powd., ¼ lb. 15 ..... lb 50
OXGALL, Inspissated ..... oz 20
Purified ..... oz 25
PALMETTO COMPOUND, Fluid ..... per pint 1 00
" " " ..... per 5-pint bot 4 50

Contains the combined medicinal constituents of Saw Palmetto Berries, Couch Grass root and Sandal-wood. In the preparation of this compound the fixed oil of Saw Palmetto Berries and all inert resinous matter are rejected and the finished product thus purified represents the crude drugs minim for grain.

PANCREATIN, pure, C. T. G. & Co's ..... oz 75
Five grains will completely peptonize a pint of milk at 110° F. in about 30 to 40 minutes.
PEPPER, black ..... lb 18
" powdered ..... lb 20
white ..... lb 35
" powdered ..... lb 40
PEPPERMINT, herb, powdered ..... lb 30
PEPSIN, pure (scale), 1-oz bottles ..... oz 75

One grain will dissolve 2,500 grains of coagulated albumen. It is comparatively free from odor and entirely soluble in cold water.

PEPSIN, pure (powder), 1-oz bottles ..... oz 75

This Pepsin is of the same digestive strength as Pepsin pure in scales.

	oz.	¼ lb.	lb.
PEPSIN, saccharated, U. S. P., 1880	$0 20	45	1 50

One grain will dissolve 50 grains of coagulated albumen.

PEPSIN, saccharated, *active*	35	85	3 00

One grain will dissolve 200 grains of coagulated albumen.

PETROLALUM, Extra Yellow, 1s ..... lb 15
Extra Yellow, 5s ..... lb 12
Carbolated, 1s ..... lb 20
" 5s ..... lb 18
White, 1s ..... lb 18
" 5s ..... lb 16
PHOSPHORUS, 1-oz cans ..... oz 25

DRUGS AND CHEMICALS.

Prices include containers.

PILOCARPIN, pure, 5 and 10 gr vials	gr	$0 14
Muriate, cryst., 5 and 10 gr vials	gr	12
Nitrate, 5 and 10 gr vials	gr	10
Sulphate, Merck's, 5-gr vials	gr	16
PIMENTO	lb	12
Ground	lb	15
PINK ROOT, powd	lb	45
PIPSISSEWA, Plant	lb	30
Powd	lb	35
PLASTER PARIS, Dental	lb	04
PLASTERS, Adhesive, ½-lb rolls	lb	40
Belladonna, ½-lb rolls	lb	1 20
Diachylon, ½-lb rolls	lb	40
Mather's, ½-lb rolls	lb	50
Resin, ½-lb rolls	lb	40
Tar Comp. (irritating)	lb	35
PLEURISY ROOT, powd	lb	30
PODOPHYLLIN	oz	20
POKE ROOT, powd	lb	25
POMEGRANATE ROOT, bark	lb	40
POPLAR, bark, white, powd	lb	20
" yellow, powd	lb	25
PORTER (see Wines and Liquors).		
POTASSA, Caustic, white sticks	lb	49
With Lime	lb	65
Solution (Liquor Potassæ)	lb	30
POTASSIUM, ¼-oz. vials	oz	2 00
Acetate, **Mallinckrodt's**	lb	45
Acetate, chemically pure	lb	70
Arseniate, 1-oz vials	oz	14
Arsenite	oz	19
Benzoate, 1-oz vials	oz	44
Bicarbonate, cryst., 1-lb cartons	lb	19
Bicarbonate, powd., 1-lb cartons	lb	23
Bicarbonate, granulated, 1-lb cartons	lb	34
Bichromate	lb	18
Bichromate, chemically pure	lb	59
Bisulphate, 1-lb bottles	lb	59
Boro-Tartrate, 1-lb bottles	lb	1 09
Bromide, cryst., **Mallinckrodt's**, 1-lb cartons	lb	41
Bromide, gran., **Mallinckrodt's**, 1-lb cartons	lb	41
Bromide, powd., 1-lb cartons	lb	47
Carbonate, 1-lb bottles	lb	23
Carbonate, chemically pure, 1-lb bottles	lb	59
Chlorate, cryst., 1-lb cartons	lb	24
Chlorate, gran., pure, **Mallinckrodt's**, 1-lb cartons	lb	32
Chlorate, powd., 1-lb cartons	lb	26

DRUGS AND CHEMICALS.

Prices include containers.

POTASSIUM, Chloride, pure, 1-lb bottles	lb	$0 44
Chromate, pure (neutral)	lb	59
Citrate, **Mallinckrodt's**, 1-lb bottles	lb	76
Cyanide, fused, 1-lb bottles	lb	69
Cyanide, gran., 1-lb bottles	lb	89
Cyanide, C. P	lb	81
Ferricyanide, potash, coml	lb	65
Ferrocyanide, chemically pure	lb	1 34
Hypophosphite, 1-oz vials	oz	19
Hypophosphite, 1-lb bottles	lb	1 54
Iodide, cryst. or gran., **Mallinckrodt's**, 1-lb bottles	lb	3 09
Iodide, bulk	lb	3 00
Iodo-Hydrarg, 1-oz vials	oz	77
Meta Bisulphite	oz	19
Nitrate, cryst., **Mallinckrodt's**, 1-lb cartons	lb	18
Nitrate, cryst., bulk	lb	08
Nitrate, powd., bulk	lb	10
Nitrate, granulated	lb	10
Nitrate, chemically pure	lb	42
Nitrate, pure, in sticks	oz	19
Oxalate, Neutral	lb	30
Permanganate, cryst., **Mallinckrodt's**, 1-oz vials	oz	10
Permanganate, cryst., pure, 1-lb cartons	lb	37
Phosphate, 1-oz vials	oz	14
Phosphate	lb	99
Prussiate, red, bulk	lb	65
Prussiate, yellow, coml., bulk	lb	35
Salicylate, 1-oz vials	oz	37
Silicate, 1-lb bottles	lb	28
Sulphate, powd	lb	16
Sulphate, chemically pure	lb	40
Sulphite	lb	59
Sulpho-Carbolate, 1-oz vials	oz	15
Sulpho-Cyanide, 1-oz vials	oz	19
Sulphuret (Liver Sulphur)	lb	31
Tartrate (Soluble Tartar)	lb	64
POWDER, roots, herbs, etc. A full line.		
POWDERS, Seidlitz	per doz. boxes	2 25
PRICKLY ASH, bark, powd	lb	30
Berries, powd	lb	50
PROPYLAMIN, pure, liquid, 1-oz vials	oz	45
Chloride, ⅛-oz vials	oz	4 00
PUMICE STONE, select, lump	lb	08
Powd	lb	07
QUASSIA, Chips	lb	12
" Powd	lb	20
QUEEN OF THE MEADOW, herb, powd	lb	30

DRUGS AND CHEMICALS.

Prices include containers.

QUICKSILVER (see Mercury).

QUININE, SULPHATE, 1-oz vials	oz	$0	48
Sulphate, 5-oz cans	oz		43
QUININE, Acetate, 1-oz vials	oz		88
Alkaloid	oz		85
Arseniate, ⅛-oz vials	oz		95
Bisulphate, 1-oz vials	oz		34
Bisulphate, 5-oz cans	oz		29
Borate, 1-oz vials	oz		90
Cincho, 1-oz vials	oz	1	10
Citrate, 1-oz vials	oz		75
Dextro, 1-oz vials	oz	1	50
Hydrobromate, 1-oz vials	oz		75
QUININE, Hypophosphite, 1-oz vials	oz	1	05
Lactate 1-ozvials	oz		97
Muriate, 1-oz vials	oz		74
Phosphate, 1-oz vials	oz		80
Salicylate, 1-oz vials	oz		74
Sulphate (C. Truax, Greene & Co's.),5-oz cans	oz		25
" " " " 1-oz bottle	oz		30
" German 100-oz cans	oz		23
" R & H., see page 216.			
" P. & W.'s, 1-oz vials	oz		34
" " 1-oz cans	oz		32
" " 5-oz cans	oz		29
Tannate, 1-oz vials	oz		39
Valerianate, ⅛-oz vials	oz	1	06
QUIN-QUINIA, 1-oz vials	oz		75
RED PRECIPITATE	lb	1	10
RED SAUNDERS	lb		10
RESIN, Copaiba	lb	1	20
Jalap	oz		50
Scammony	oz		45
RHUBARB, root, (E. I.)	lb		75
" " powd	lb		80
" (China), select	lb	1	00
" " powd	lb	1	20
" " clippings	lb		60
" " cubes or fingers	lb	1	75
ROCHELLE SALTS, powd	lb		30
ROOTS, BARKS, LEAVES, ETC. A full line at market rates.			
ROSIN, common	lb		5
" 25-lb boxes	lb		3
" 50-lb boxes	lb		2¼
Powdered	lb		10
RUM, New England, Jamaica, imported St. Croix	See Wines and Liquors.		

Subject to Market Changes.

Subject to Market Changes.

DRUGS AND CHEMICALS.

Prices include containers.

SAL, Acetosella	lb	$0 25
Crab Orchard	lb	25
Epsom	lb	05
Epsom, 5 lbs or more	lb	03
Glauber	lb	03
Glauber, 5 lbs or more	lb	02
Nitre, pure, crystals	lb	08
Nitre, pure, granulated	lb	10
Prunelle	lb	32
Rochelle	lb	30
Soda	lb	03
Soda, 50-lb boxes	lb	1½
Tartar, bottle	lb	23
SALICIN, oz 20, ¼-lb 50	lb	1 85
SALOL, oz 35, ¼-lb $1 20, ½-lb $2 30	lb	4 50
SALT, Carlsbad, artificial, bulk	lb	20
" Genuine, ¼-lb bottles	doz	7 00
Crab Orchard, artificial	lb	25
Sea	lb	05
SANTONIN	oz	40
SARSAPARILLA, Honduras	lb	45
Honduras, ground	lb	45
" powd	lb	50
Mexican	lb	24
" ground	lb	26
" powd	lb	30
SASSAFRAS BARK	lb	15
" powd	lb	20
Pith	oz	10
SCULLCAP herbs, powd	lb	40
SEEDS, whole and powdered. A full line at market rates.		
SENEGA ROOT, powdered	lb	85
SENNA (Alex), leaf	lb	35
" powd	lb	40
(Tinnev), leaf	lb	30
" powd	lb	25
SERPENTARIA, root, powd	lb	45
SILVER, Bromide, **Mallinckrodt's,** 1-oz vials	oz	1 59
Cyanide, 1-oz vials	oz	1 54
Iodide, 1-oz vials	oz	1 54
Nitrate, Cryst	oz	68
" Cones (5 per cent. choride)	oz	81
" fused (lunar caustic)	oz	71
Oxide	oz	1 49
SOAP, Castile, mottled	lb	10
" white, "Conti's"	lb	15

DRUGS AND CHEMICALS.

Prices include containers.

SOAP, castile, white, powd	lb	$0 35
" " Palestine "Carmel" (6 cakes in box)	doz	1 00
Green, German, 1-lb cans	lb	20
SOAP TREE, bark, powd	lb	20
SODA, Caustic, sticks, 1-lb bottles	lb	50
" (purif. by alcohol), 1-lb bottles	lb	94
Solution, Chlorinated, 1-lb bottles	lb	20
" U. S. P., 1-lb bottles	lb	25
SODIUM, 1-oz vials, oz., 40 cts	lb	2 75
Acetate, **Mallinckrodt's**	lb	25
Acetate, Fused, Anhydrous	oz	14
Arseniate, **Mallinckrodt's**, 1-oz vials	oz	14
Arsenite, 1-oz vials	oz	14
Benzoate, 1-oz vials	oz	14
Benzoate, 1-lb bottles	lb	1 00
Biborate, pure	lb	37
Bicarbonate, English	lb	06
Bicarbonate, Natrona	lb	06
Bicarbonate, C. P., powd	lb	27
Bichromate, 1-lb bottles	lb	33
Bisulphite, 1-lb bottles	lb	34
Bisulphite, solution	lb	30
Bromide, 1-lb bottles	lb	55
Carbolate, 1-oz vials	oz	24
Carbonate, pure cryst	lb	12
Carbonate, dried, purified	lb	22
Chlorate, 1-oz vials	oz	10
Chlorate, pure, granulated	oz	10
Chlorate, pure, granulated	lb	47
Chloride, chemically pure	lb	32
Choleate, 1-oz vials	oz	35
Citrate, **Mallinckrodt's**	lb	76
Hypophosphite, 1-oz vials	oz	19
Hyposulphite	lb	07
Hyposulphite, gran., C. P	lb	22
Iodide, 1-oz vials	oz	36
Iodide, 1-lb bottles	lb	3 88
Nitrate, gran., pure, 1-lb bottles	lb	34
Nitrate, purified, powd	lb	27
Nitrite, pure, in sticks	oz	19
Oxalate, 1-lb bottles	lb	84
Permanganate, 1-lb bottles	lb	84
Phosphate, pure, recryst	lb	28
Phosphate, gran., **Mallinckrodt's**	lb	35
Phosphate, dried, powd	lb	33
Phosphate and Ammonia	lb	1 19
Pyrophosphate, 1-oz vials	oz	21

DRUGS AND CHEMICALS.

Prices include containers.

SODIUM, Pyrophosphate, 1-lb bottles	lb	$0 79
Salicylate, 1-oz vials	oz	21
Salicylate, ¼-lb bottles	each	45
Salicylate, ½-lb bottles	each	80
Salicylate, 1-lb bottles		1 55
Salicylate, Scherring's	lb	2 50
Santonate	oz	49
Silicate, sol	lb	18
Succinate, 1-oz vials	oz	24
Sulphate, pure, granulated	lb	34
Sulphate, pure, cryst	lb	34
Sulphide, cryst	lb	70
Sulphite, cryst	lb	22
Sulphite, dried, powd	lb	22
Sulpho-Carbolate, 1-oz vials	oz	13
Sulpho-Carbolate	lb	1 00
Sulpho-Vinate	oz	16
Tannate, 1-oz vials	oz	29
Tartrate	lb	64
Tungstate, pure, 1-oz vials	oz	11
Valerianate, **Mallinckrodt's**	oz	82
SOLOMON'S SEAL, root, powd	lb	30
SOZOIODOL, Mercury	oz	1 00
Potassium	oz	70
Sodium	oz	75
Zinc	oz	95
SPARTEIN, Sulphate, cryst, **Merck's** 1-oz vials	oz	3 04
" " " " 15-gr vials, each		20
SPERMACETI	lb	40
SPIKENARD, root, powd	lb	30
SPIRIT Ammonia, ¼ lb., 15 cts	lb	55
" Aromatic, ¼ lb., 20 cts	lb	60
Camphor, ¼ lb., 20 cts	lb	50
Chloroform, ¼ lb., 20 cts	lb	60
Ether Comp. (Hoffman's Anodyne) true, ¼ lb., 30 cts	lb	1 00
" " Com'l., ¼ lb., 20 cts	lb	65
SPIRIT, Ether Nitrous (Sweet Spirits of Nitre)	lb	50
" " " " " gal		3 50
Glonoin (Nitroglycerin 1 per cent), 1 oz., 15 cts.; ¼ lb., 35 cts	lb	1 10
Mindererus	lb	30
Turpentine (See Turpentine).		
Wintergreen, ¼ lb., 25 cts	lb	75
SQUILL, sliced	lb	15
Powd	¼ lb., 16, 1 lb	50
STILLINGIA ROOT, grd	lb	25
Powd	lb	30
STILLINGIN, Resinoid	oz	83

DRUGS AND CHEMICALS.

Prices include containers.

STRAMONIUM, leaf, powd	lb	$0 30
Seed, powd	lb	30
STRONTIUM, Bromide, Cryst, **Mallinckrodt's**	oz	26
Carbonate	lb	54
Iodide	oz	67
Lactate	oz	34
Muriate	lb	39
Nitrate	lb	10
STROPHANTHIN, 5 gr., v	each	2 00
STRYCHNINE, crystals, **Mallinckrodt's**, 1 oz. vials	oz	1 45
" " ⅛ oz. vials	each	20
" powd., 1 oz. vials	oz	1 45
" " ⅛ oz. vials	each	20
Acetate, ⅛ oz. vials	each	25
" solution (Hall's)	lb	40
Arseniate, ⅛ oz. vials	each	40
Arsenite, ⅛ oz. vials	each	50
Bromide, ⅛ oz. vials	each	30
Citrate, ⅛ oz. vials	each	30
Hypophosphite, ⅛ oz. vials	each	35
Muriate, ⅛ oz. vials	each	25
Nitrate, ⅛ oz. vials	each	25
Phosphate, ⅛ oz. vials	each	30
Sulphate, crystals, **Mallinckrodt's**, 1 oz. vials	oz	1 40
" " ⅛ oz. vials	each	20
" powd., 1 oz. vials	oz.	1 40
" " ⅛ oz. vials	each	20
Valerianate, ⅛ oz. vials	each	50
SUGAR LEAD, white, bulk	lb	20
" powd., bulk	lb	30
SUGAR MILK, powd	lb	25
SULPHUR, sublimed (flowers of sulphur)	lb	05
Iodide, **Mallinckrodt's**	oz	47
Precipitated, pure (Lac. Sulphur), bulk	lb	15
" " 1 lb. cartons	lb	18
Washed, 1 lb. cartons	lb	15
TALCUM, Purified	lb	25
TANNIN (see acid Tannic) carton incl., oz. 20, ¼lb. 40	lb	1 40
TAR, Barbadoes, true	lb	25
Pine, pt. cans	per doz	80
" qt. "	per doz	1 40
" gal. "	each	35
TARTAR EMETIC, Powdered, ¼lb. 20	lb	56
TEREBENE, oz. 13; ¼lb. 30	lb	1 00
TERPIN HYDRATE, cryst., 1 oz. bot	oz	30
THEINE, ⅛ oz. vial	each	10
THYMOL, Cryst., U. S. P	oz	40

TINCTURES, German.	4 oz. bottles.	1 lb. bottles.
Aconite	$0 50	$1 80
Arnica	50	1 70
Belladonna	50	1 80
Bryonia	50	1 80
Chamomilla	50	1 70
Chelidonium	65	2 25
Conium	50	1 70
Digitalis	50	1 80
Drosera	65	2 40
Elaterium (fruit.)	70	2 60
Hyoscyamus	50	1 70
Pulsatilla	50	1 08
Rhus Toxicodendron	65	2 40
Sticta Pulmonaria	65	2 25
Homeo (a full line).		

TINCTURE, Aconite Root, U. S. P.	$0 20	$0 35	$ 060
Aconite Root, Fleming's	25	40	70
This is double the strength of the officinal.			
Aloes, U. S. P.	20	30	50
" and Myrrh, U. S. P.	25	40	65
Antiperiodic, (Warburg's Tincture)	40	75	1 40
Arnica flowers, U. S. P.	20	30	50
Asafœtida, U. S. P.	20	35	60
Avena Sativa, Keith's			1 50
" " 8 oz. bottles			each 85
" " 4 "			each 50
Belladonna, U. S. P.	20	30	50
Benzoin, U. S. P.	20	35	60
" Comp., "	25	40	65
Black Cohosh	20	35	60
" Comp.	20	35	60
Bloodroot, U. S. P.	20	30	50
Byronia "	20	35	60
Buchu, Br.	20	30	50
Calendula, U. S. P.	25	35	60
Camphor, "	20	30	50
Cannabis Indica, "	25	40	70
Cantharides, "	20	35	60
Capsicum, "	20	30	50
Cardamom, "	25	45	75
" Comp., "	20	30	50
Catechu Comp., "	20	35	60
Cinchona, true, "	25	40	65
" Comp, true, U. S. P.	20	35	60
" Detannated	25	45	75

This preparation is practically identical in strength of Cinchona (without the Tannin) with the officinal Tincture Cinchona.

Prices include containers.	¼ lb. bots. each.	½ lb. bots. each.	1 lb. bots. each.
TINCTURE, Cinnamon, U. S. P.	$0 20	$0 30	$0 50
Colchicum Seed, U. S. P.	20	35	60
Columbo	20	30	50
Conium, U. S. P.	20	30	50
Cubebs, "	20	35	60
Digitalis, "	20	30	50
Gelsemium, "	20	35	60
Gentian Comp., "	20	30	50
Ginger	20	35	60
Golden Seal	20	35	60
Green Soap, U. S. P.	20	30	50
Guaiac, U. S. P.	20	35	60
" Ammoniated, U. S. P.	25	40	70
Hyoscyamus, U. S. P.	20	30	50
Ignatia, U. S. P.	30	45	75
Iodine, glass stop. bot., "	32	50	90
" Churchill's	40	70	1 25
" Colorless, glass stop. bots.	35	60	1 00
" Compound, " " "	35	60	1 00
Ipecac and Opium	50	90	1 70
Iron Acetate, U. S. P.	25	40	65
" " Rademacher's	25	45	80
" Citro Chloride	20	35	65
This preparation is better known as Tasteless Tincture of Iron. It is practically identical in strength of Iron with the officinal Tincture Ferri-Chloridi.			
Iron, Muriate, U. S. P.	15	25	40
Kino	20	35	60
Kino Compound	20	35	60
Each fluidrachm represents about ⅓ grain each of Kino and of Powdered Opium.			
Lavender	20		55
Lobelia	20	30	50
Myrrh, U. S. P.	25	40	70
" and Capsicum	25	40	70
Nux Vomica, U. S. P.	20	35	60
Opium, " 1880	30	55	1 00
" Camphorated, U.S. P.	20	30	50
" Deodorized	45	80	1 50
Containing 6 grains Morphine in each fluidounce.			
" Comp (Squibb's Diarrhœa Mixture	30	45	85
Each fluidrachm contains 12 minims each of Tinct. Opium, Spts. Camphor and Tinct. Capsicum, and 4½ minims Chloroform.			
Orange, bitter	20	30	50
" sweet	20	30	50

Prices include containers.	4-oz. bots. each.	8-oz. bots. each.	1-lb. Bots. each.
TINCTURE, Pectoral, Bateman's Pectoral Drops	$0 20	$0 35	$0 60
Each fluidrachm contains 2½ mimims of Tincture of Opium.			
Phosphorus Comp, (Vitalizon)	75	1 30	2 50
Physostigmatus, U. S. P	30	50	75
Poke Root, A. D	20	35	60
Pulsatilla	20	35	60
Each fluidrachm represents 10 grains of the recently dried plant.			
Quassia, U. S. P	20	30	50
Rhatany, "	20	35	60
Rhubarb, "	20	35	60
Rhubarb, Aromatic, U. S. P	20	35	60
Rhubarb, Dulcis	20	35	60
" Compound	20	35	60
Serpentaria, U. S. P	20	35	60
Squills, "	20	35	60
Stramonium, "	20	35	60
Strophanthus	35	60	1 10
Each fluidrachm represents 3 grains of Strophanthus. The dose is 1 to 10 minims.			
Tolu, Soluble	25	40	75
" U. S. P	25	40	75
Valerian, "	20	35	60
" Ammoniated, U. S. P	25	45	85
Veratrum Viride, "	25	45	85
Veratrum Viride, Norwood's, 4 oz. bots. each			1 00
TUMENOL			oz 60
TUMENOL OIL			oz 70
TUMENOL POWDER			oz 1 00
TURPENTINE, Chian true, 1 oz			oz 45
Pure, rectified			lb 45
Spirits, containers extra			per gal 50
Venice			lb 38
White Pine, hard			lb 08
" " soft			lb 12
TURPETH MINERAL (See Mercury).			
UNGUENTUM (See Ointments).			
URETHANE, **Merck's**			oz 55
VASELINE, 1 lb. can			30
5 lb. can			1 13
White, 1 lb. can			60
" 5 "			2 25
Carbolated, 1 lb. can			38
" 5 "			1 75
See Petrolatum.			

Prices include containers.

VERATRINE (Veratria), pure, ⅛oz. vials				oz $1 70
VERDIGRIS, powder				lb 45
WAX, BEES, white, pure				lb 52
White, Star Brand				lb 60
Yellow, Prime				lb 40
WHISKEY (see Wine and Liquor List).				
WHITE PRECIPITATE (See Mercury Ammoniated).				
	4 oz. bots	8 oz. bots.	1 lb. bots.	
WINE, Aloes, U. S. P.	$0 75	$3 25		
Antimony	60	2 50		
WINE, Colchicum Root, U. S. P.	60	2 50		
" Seed	60	2 50		
Ergot	85	3 75		
Ipecac	90	4 00		
Iron	55	2 50	$3 50	
" Bitter	60	2 50	3 75	
Opium, U. S. P.	1 50			
Wines and Liquors. See next page.				
WITCH HAZEL, Dist. Ext., container, extra				per gal 90
WITCH HAZEL, Bark, powd				lb 25
WOOD ALCOHOL, Container, extra				gal 1 50
XANTHOXYLIN, 1 oz. vial, incl				oz 65
XYLOL.				
YERBA SANTA COUGH MIXTURE	65	2 65	4 00	
Each fluidrachm represents				
ZINC, Acetate, **Mallinckrodt's**				lb 53
Bromide				oz 20
Carbonate, precip., pure				lb 28
Chloride, fused				lb 64
" "				oz 13
" gran'd				lb 64
" "				oz 13
Iodide				oz 50
Oleate, precip.				oz 10
Oxide, chem., pure				lb 50
" Hubbuck's, c. p.				lb 60
" white, com'l				lb 15
Phosphate				lb 1 60
"				oz 18
Phosphide				oz 53
Salicylate				oz 40
Sulphate, gran., c. p.				lb 25
" cryst				lb 10
Sulphocarbolate				lb 1 00
"				oz 15
Tannate				oz 30
Valerinate, **Mallinckrodt's**				oz 30

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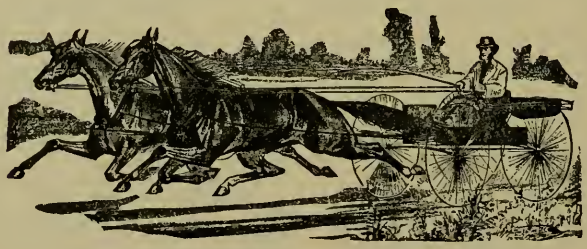

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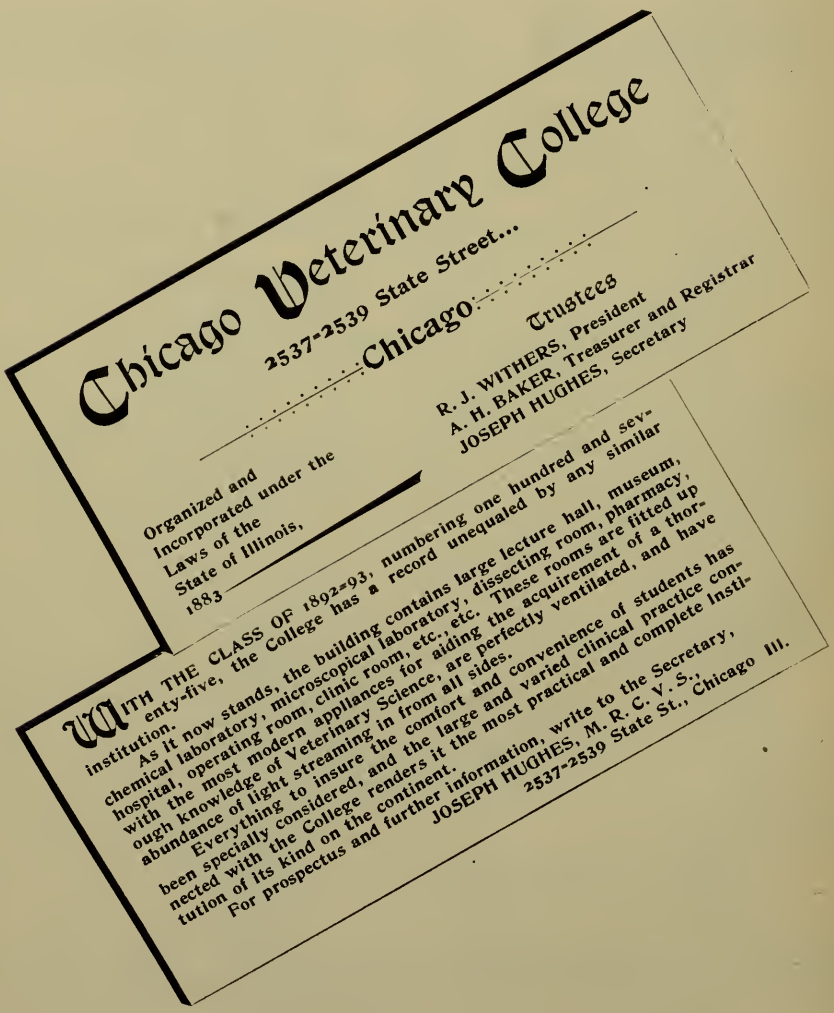
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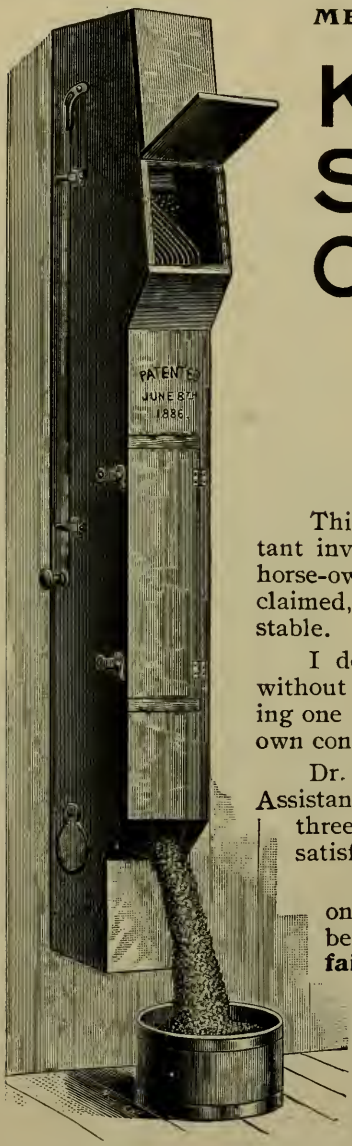

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2	Farmer Miles' " "	7 00
2a	Farmer Miles' Caponizing Set, Impvd	4 00
3	Chinese " "	4 00
4	Latest Improved " "	4 00
5	Plain " "	2 00
6	Staples for Holding Bird	10
7	Patent Capon Scoop and Hook	1 50
8	Capon Spoon Forceps, Straight	1 00
9	Capon Spoon Forceps, Curved	1 00
10	Capon Spreaders, Farmer Miles'	3 00
11	Capon Forceps, " "	3 00
11a	Capon Forceps, " " Improv'd	2 50
12	Capon Knife, " "	50
13	Capon Nickel Plated Spreaders	1 00
13a	Capon Nickel Plated Spreaders, latest	1 00
14	Capon Plain Wire Spreaders	50
15	Capon Latest Improved Steel Wire Canulas	2 00
16	Capon Chinese Spreaders	1 50
17	Capon ChineseCanulas,latest improved	1 00
18	Capon Chinese Knives and Forceps	1 00
19	Capon Chinese Spoon and Hook	1 00
20	Capon Probe and Spatula	20
21	Capon Hooks	20
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24	Distinguishing Rings per doz., 36c	$ 05
25	Adjustable Distinguishing Rings " 50c	05
26	Poultry Syringes and Recipe	10
27	French Poultry Killing Knife	50
28	Anti-Feather Pullers	10
29	Sterling Silver Milking Tubes	50
29a	Silver Plated " "	30
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29c	Heavily Sil. Plat. Milk. Tubes "	50
29d	Sterling Silver S. R. " " "	1 00
29e	Heavily Sil.Pla.S.R. " " "	75
30	Sterling Silver S. R. " "	70
30a	Silver Plated S. R. " "	45
30b	Instrument for Opening Obstructed Cow's Teats	60
31	Wigmore's Cow Teat Slitters	2 00
31a	Improved Three Ring Teat Slitter	3 00
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36	Practical Caponizing and How to Make Poultry Pay	25

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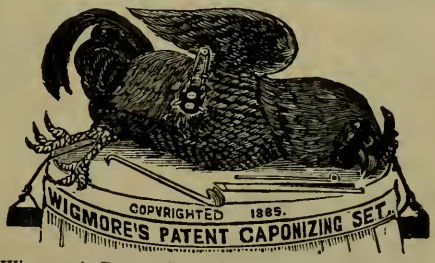

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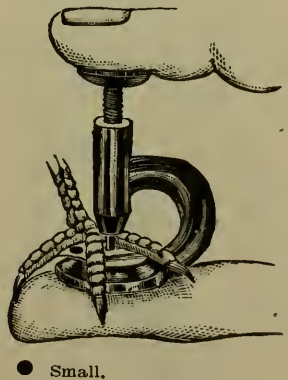

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This injector answers a double purpose, being syringe and bottle at the same time, small enough to carry in the vest pocket; Yare: *quick*, always *ready*. Cut shows ⅔ size.

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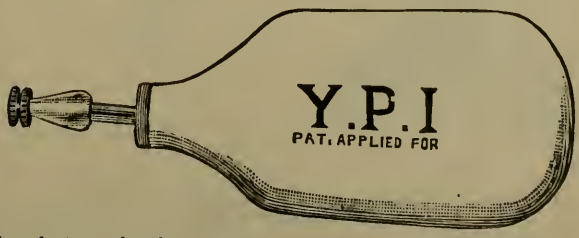

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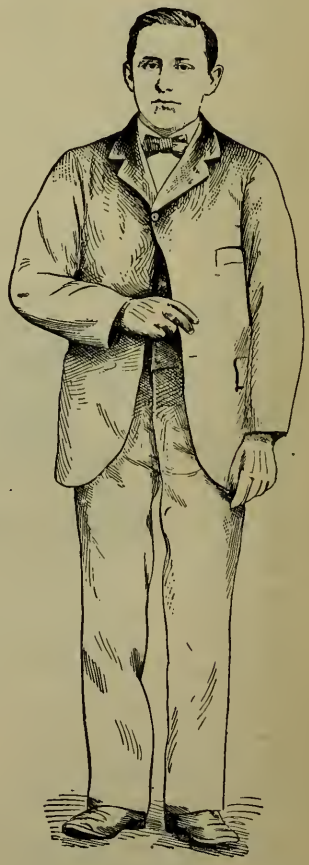

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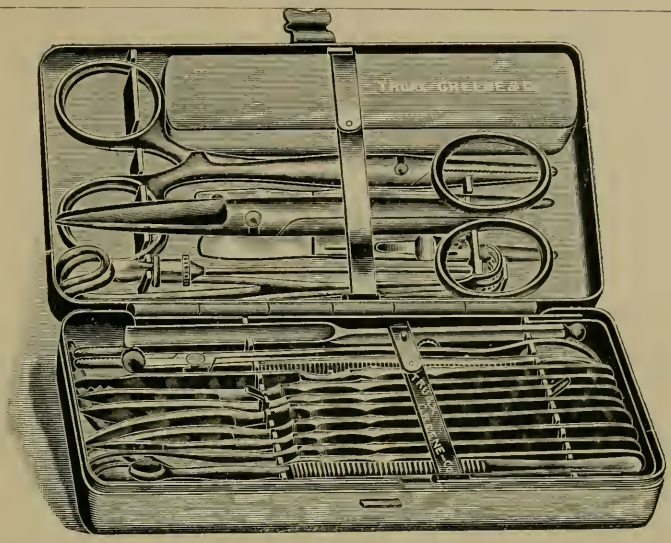

Dr. N. Senn's Pocket Operating Case

COMPRISING

2 Kocher's Artery Forceps
1 Spring Dressing Forcep, slide catch, 3 teeth
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1 Straight Scissors
1 Exploring Trocar
2 Double Retractors, sharp and blunt
1 Gouge for operating on the skull
2 Serresfins
1 Bulldog Artery Forcep & Needle Holder
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1 Curved " " "
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1 Tenotomy Knife
1 Aneurism Needle
1 Tenaculum
1 Fenestrated Bone Scoop and Periosteotome
1 Ear Hook and Curette
1 Pair of Senn's Bullet Probes, Porcelain heads for No. 22 and No. 38 calibre bullets
1 Male and Female Catheter
½ dozen Straight Triangular Needles
½ dozen Straight Round Needles
½ dozen Assorted Curved Needles (Needles in Asbestos Cloth
4 sizes Silk on Metal Cards
½ dozen Silkworm Gut Ligatures

The above contained in a solid german silver case with removable trays.
All instruments with aseptible handles and joints.
Size of case, 1⅛ inch thick, 2½ inches wide and 5 inches long.

Price with Chamois Cover .. $25.00 net

FOR DIAGRAM SEE OTHER SIDE

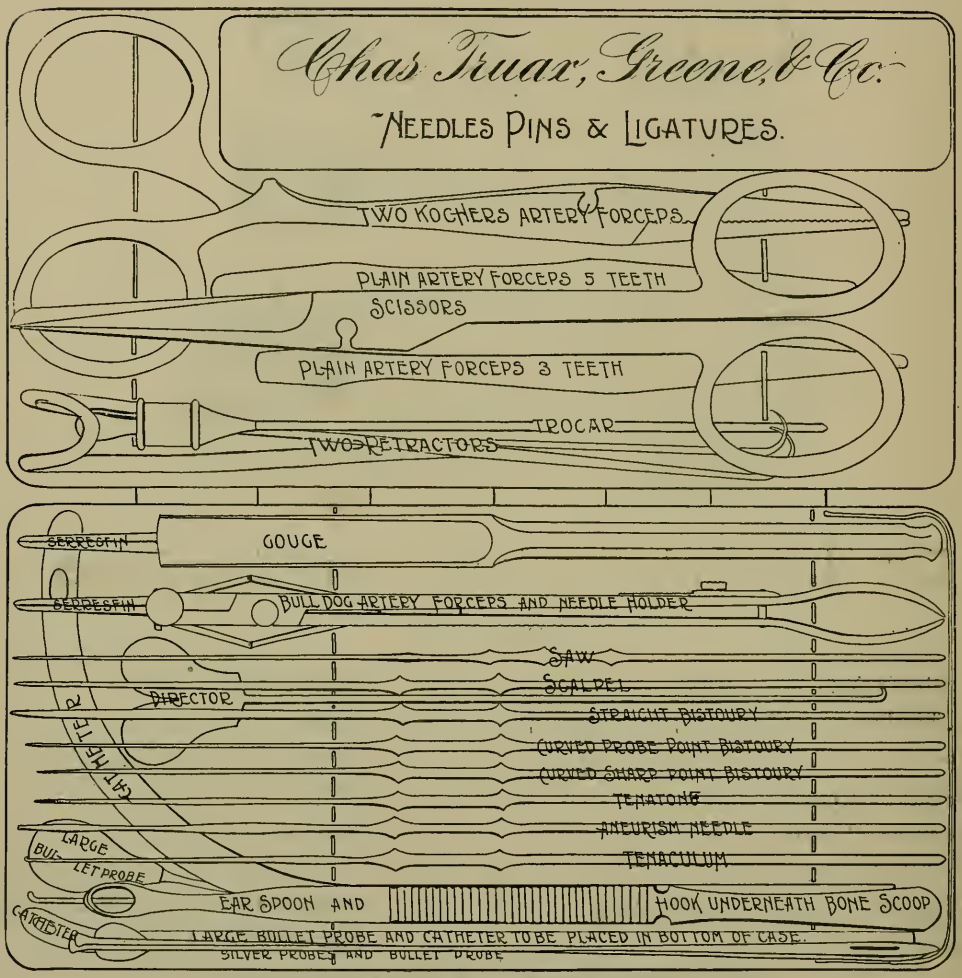

DIAGRAM SHOWING ARRANGEMENT OF ~DR. SENNS POCKET OPERATING CASE~

This case offers a large assortment of instruments in a most compact form. Careful attention has been given to the selection and construction of each instrument, none but the most approved patterns having been adopted. With it any amputations may be made, a laparotomy performed or any ordinary operation in Surgery successfully accomplished. The locks, joints and handles are all aseptible and of the highest possible quality.

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